

Forest quiz fund

01.02.10

A quiz is a form of game or mind sport in which the players (as individuals or in teams) attempt to answer questions correctly. Quizzes are also brief assessments used in education and similar fields to measure growth in knowledge, abilities, and/or skills. Nowadays, they seem to be very popular (especially on radio and television shows).

To work with such quizzes at forestpedagogical events like forest youth games forest rallies, family forest days forest project days, family forest days, forest experience days, forest working groups or forestal day school care has really paid off just like at forestal PR events or as accessory part of exhibitions.

Following a popular TV quiz format we formulated questions with different degrees of difficulty on forest, forestry, wood, hunting, nature conservation...with four possible answers of which just one is the right answer. All together they make up quite a quiz fund.

It can be "exploited" for different purposes

The questions are not easy to answer. But differentiated results do no harm and maybe especially those questions that were answered wrong might encourage the one or other person to them looking up in the Internet resp. dictionary or to ask the parents, friends, forest wardens ...?

Hints:

- When you mix the different questions according to your current needs f, please leave out the subheads (e.g. *animals*). They sometimes can lead directly to the correct answer in some cases.
- (K)= these questions are in my opinion also suitable for primary pupils as of 2nd form.
- (A, D, CH,)= these questions refer only to Germany resp. to the German speaking area. How can these questions be reformulated in English
- The respectively right solution is marked in **brown**.

We would be grateful for reviews. Additions are also welcome especially in order to create more topical groups.

Forestry

General

What does *sustainability* mean in the broader sense?

- a) **thinking in terms of generations**
- c) spontaneous management
- b) quick growth
- d) a creative and industrious lifestyle

Who invented the dandy horse?

- a) forest student Karl Wilhelm Laufermann
- b) friend the forest Charlemagne
- c) forest hater Karl Dall
- d) **the master of forestry Karl Friedrich Drais**

What is the Diameter at breast height ?

- a) bra size of female forestry workers
- b) **tree diameter at 1.3 metres**
- c) body index of the forestal health insurance company
- d) minimum size of employees of forestry

How do forests clean the air?

- a) they convert carbon monoxide to carbon dioxide
- b) they prevent smokers from lighting a cigarette
- c) they prevent fires by attracting rain
- d) they bind carbon dioxide, produce oxygen and absorb Dust particle

What does the word *monoculture* mean regarding the forest?

- a) it is only one tree species existing
- b) there is only one forest existing in the region
- c) there are no bushes in the forest
- d) there is only one tree existing of every tree species

Which tree can be found most frequently in the European forest? (K)

- a) Willow
- b) spruce
- c) poplar
- d) chestnut

Which one is a pest of the forest? (K)

- a) ladybird
- b) dor beetle
- c) bark beetle
- d) brimstone

What is the guardian of the forest called? (K)

- a) Ranger
- b) policeman
- c) forest warden
- d) guard

Which aim is pursued by the forest conversion in Europe?

- a) structured woodland paths
- b) transformation of the coniferous forest into deciduous wood
- c) the adequate forest in regard to its position
- d) well-arranged information panels

Is working in the forest permitted at night, too? (K)

- a) yes
- b) yes but only at full moon
- c) yes but only with night view glasses
- d) no

Fire protection in the forest

How can one avoid forest fires? (K)

- a) by only going in the forest when it rains
- b) by staying on the ways
- c) by not smoking nor igniting open fire in the forest
- d) by have always a water-bottle on you

What is the most frequent cause of forest fire? (K)

- a) thunder strike
- b) arson
- c) volcanic eruption

d) hot air

Can aeroplanes also be used for fighting the fire?

- a) no, the pilots can see nothing in the smoke
- b) no, they cannot fly that deep
- c) yes, they can release water as rain
- d) yes, they put the fires out by sonic shock waves

Which of the following fire types is not a forest fire? (K)

- a) ground fire
- b) Easter fire
- c) crown fire
- d) surface fire

In general a forest fire passes through 3 phases, names the first one!

- a) crown fire
- b) surface fire
- c) ground fire
- d) there are no forest fire phases

What does increase the risk of a forest fire in particular?

- a) deciduous forest
- b) long droughts
- c) coal-burning power plants
- d) the presence of fire salamanders

Which component of the air is necessary so that a fire will burn?

- a) nitrogen
- b) carbon dioxide
- c) oxygen
- d) helium

Which types of forests are endangered the mostly?

- a) mature mixed forests
- b) forests with pine wood that stands closely together up to an age of 40 years
- c) little deciduous trees in softwood forests
- d) forests with deciduous trees

What makes fire burn?

- a) water and oil
- b) fuel and nitrogen
- c) fuel, high atmospheric humidity and carbon
- d) fuel, oxygen and high temperatures

When do most forest fires arise within the year? (A, D, CH.)

- a) April
- b) June
- c) August
- d) September

How are forest fires detected systematically by the forest wardens? (D)

- a) by controlling illegal dumping grounds
- b) with digital cameras attached on towers
- c) by moving the timber in summer
- d) by calls of people how are looking for mushrooms

What are "fuel breaks" beside streets and railway tracks for?

- a) they are a "wonder weapon" against all kind of dangers
- b) they help the fire men to get out of the forest
- c) they help the fire men to approach the fire
- d) they can hold back embankment fires for a while

Which forests have high risk of fire danger?

- a) new forestal plantation
- b) young trees at the age of 30
- c) forests of a middle age about 80
- d) old trees as of age 120

Where do forest fires arise the most?

- a) in the ground of the forest
- b) in the forest soil litter
- c) at the trunks
- d) in the crowns

Which kind of trees have a high risk of fire danger?

- a) conifers
- b) deciduous trees in summer
- c) deciduous trees in winter
- d) there are no differences

At what time of the day do arise the most fires? (A, D, CH)

- a) 7 o'clock
- b) 10 o'clock
- c) 1 p.m
- d) 7 p.m

Wood

Which timber products are produced in the forest?

- a) veneers
- b) fascines
- c) chipboards
- d) paper

What the advantage of heating with timber?

- a) it doesn't produce CO₂
- b) it is expensive
- c) it uses a renewable resource
- d) it is easy to do

What is never produced out of timber? (K)

- a) window pane
- b) newspaper
- c) chess pieces
- d) car fittings

Which important advantage does timber have compared to fuel oil? (K)

- a) it is renewable
- b) it burns faster
- c) it produces less smoke
- d) it can be lightened more easily

What do the annual rings of a tree disk stand for? (K)

- a) the height
- b) the size
- c) the thickness
- d) **the age**

What is meant with the warning ability of the timber?

- a) it makes loud noises when burning in the fireplace so that it disturbs while watching TV
- b) **it cracks "in a telltale way" before breaking**
- c) one can build barrier for the woodland paths
- d) in case of storm danger the trunks stand *at an angle*

What does it mean to "bark up the wrong tree"? (A, D, CH)

- a) to be in a good mood
- b) to be in a bad mood
- c) **to be wide off the mark**
- d) "precision landing"

How is the substance of timber called which makes paper yellow?

- a) carbon dioxide
- b) **lignin**
- c) adrenalin
- d) nicotine

What is timber reaped with?

- a) crane
- b) **harvester**
- c) roller
- d) excavator

Which is the hardwood most often used in Europe?

- a) **beech**
- b) maple
- c) ash tree
- d) poplar

Where is most of the timber used?

- a) producing toys
- b) producing cellulose
- c) **building a house**
- d) producing furniture

Which are the two main components of timber?

- a) **cellulose & Lignin**
- b) pectin & gluten
- c) coniferyl & stearyl alcohol
- d) oxygen & carbon dioxide

Which tree is not used for the veneer production?

- a) spruce
- b) oak
- c) walnut tree
- d) **christmas tree**

Which timber starts to shine after UV irradiation?

- a) robinia wood
- b) pinewood
- c) teak wood
- d) iron wood

By which criteria high grade wood sorted?

- a) density
- b) crown diameter
- c) faults of the wood
- d) dampness content

What is Cork made of?

- a) out of the juice of the trees
- b) by kraft pulping of the wood
- c) out of the extract of the root of the tree
- d) out of the tree bark

What is a *Chinese beard* in connection with the forest? (A, D, CH)

- a) overgrowth of an earlier branch of the beech
- b) bearded Chinese cook at the picnic in the forest
- c) old Cinchona
- d) leaves of the Chinese dracaena

What is a *witch's broom* in the forest? (A, D, CH)

- a) cleaning equipment in the gingerbread house
- b) pathological change of the treetops
- c) mushroom looking droll
- d) wooden flight equipment for female foresters

Which timber growing in Europe is the most durable one?

- a) poplar
- b) oak
- c) limewood
- d) robinia

In earlier day the wood of which tree was used to produce ski?

- a) ash tree
- b) maple
- c) spruce
- d) birch

The medieval bows used to made out of?

- a) chestnut
- b) hazelnut
- c) willow
- d) yew

Our ancestors wrote letters on the bark of which tree?

- a) ash tree
- b) birch
- c) Black Dogwood
- d) holly

What are Matches made of ?

- a) cypress wood

- b) poplar wood
- c) oak
- this) pinewood

Which material has emerged from primeval tree resin? (K)

- a) diamond
- b) brown coal
- c) amber
- d) quartz

Hunting

Why can too many deer damage the forest?

- a) they damage young trees a at mating fights
- b) they eat the buds of the young trees
- c) they spread mushroom spurs
- d) they attract many tourists who leave their rubbish

How much weights a fully-grown wild boar ?

- a) more than 50 kg
- b) more than 100 kg
- c) more than a deer
- d) more than a horse

What are Tree stands for?

- a) for the hibernation of the bats
- b) they serve the forester as a weekend balcony
- c) it is a hunting facilitie
- d) it is a measuring station for the temperature in the forest

Why uses the hunter his hunting horn ? (K)

- a) to communicate while hunting
- b) to call the animals
- c) because he wants to annoy the visitors of the forest
- d) because the animals like the hunting horn

Conservation

What is on the red list?

- a) blood donating conservationist
- b) animals that are allowed to be shot
- c) nature conservation employees who are to be fired soon
- d) endangered species of animals & plants)

How can we support the indigenous species of bird best? (K)

- a) by feeding
- b) by attaching artificial caves and nests
- c) by nursing its offspring
- d) by removing offspring that fell out of its nest

Where should nest boxes be attached? (K)

- a) on the balcony of a town flat
- b) on a tree nearby a playground
- c) in a quiet corner of the garden
- d) next to the bus stop

Is it allowed to throw rubbish into the forest ? (K)

- a) yes, the forest warden clears up everything
- b) yes, the rubbish decomposes some day
- c) **no, in no way**
- d) yes, meanwhile everyone does it

Plant and mushroom

General

Which of these plants is not part of the genus *Prunus*?

- a) apricot
- b) cherry
- c) **orange**
- d) peach

What does the moss store in the forest? (K)

- a) warmth
- b) cold
- c) **water**
- d) air

Which colour do the petals of the Butterbur have?

- a) blue
- b) **purple and pink"**
- c) violet
- d) yellow and orange

Which part of the dandelion is a delicacy ?

- a) **leaves**
- b) stems
- c) petals
- d) seeds

Which medicinal plant helps against Insomnia ?

- a) **valerian**
- b) dandelion
- c) fennel
- d) camomile

Which of these plants is not poisonous ?

- a) Christmas rose
- b) oleander
- c) deadly nightshade
- d) **windflower**

What is the treatment called that uses plants and herbs as well as its extracts?

- a) Bach flower remedies
- b) **phytotherapy**
- c) Flowerpower
- d) aromatherapy

Tree

How are the seeds of the mistletoe transferred to other trees?

- a) by sowing
- b) by insects
- c) **by birds**
- d) not at all

Which tree has a eye-catching white bark? (K)

- a) ash tree
- b) **birch**
- c) spruce
- d) oak

Which tree species is not native in Europe? (K)

- a) beech
- b) birch
- c) **black locust**
- d) poplar

Which of these trees gets the highest? (K)

- a) juniper
- b) pine
- c) **douglas-fir**
- d) birch

The fruits of which tree served as a basis for coffee substitute in wartimes?

- a) beech
- b) **oak**
- c) elm
- d) chestnut

How do trees increase?

- a) by transformation of earth into wood
- b) **by photosynthesis**
- c) by restructuring
- d) by assimilation of animals living in the ground

How is the growth zone of a tree called?

- a) Carbolineum
- b) Cambrian
- c) cabriolet
- d) **cambium**

Which of these tree species is not native in Europe?

- a) common beech
- b) **red oak**
- c) black alder
- d) rowan

Which deciduous tree loses its leaves while they are still green?

- a) **alder**
- b) chestnut
- c) limewood
- d) maple

What is special about the willow?

- a) its wood is especially hard
- b) it can absorb water with its branches when they are hanging in the water
- c) it can handle dryness very well)
- d) **its fallen branches can grow roots by themselves**

From which tree did our ancestors win sugar?

- a) birch
- b) **maple**
- c) hazelnut
- d) willow

Where does the Robinia have its name from?

- a) **from a Frenchman of the same name**
- b) from a precious stone
- c) from its colour
- d) from its origin

What is the birch not used as?

- a) medicinal plant
- b) cosmetics
- c) fuel
- d) **raw material for the synthetic material production**

What is the beech used for?

- a) production of textile
- b) **production of glass**
- c) production of semiconductor
- d) production of cars

Tree - christmas tree

Which tree is not suitable as a Christmas tree?

- a) pine
- b) **family tree**
- c) spruce
- d) Douglas-fir

Where does the Christmas tree custom come from?

- a) it goes back to the Greek wine God Dionysus
- b) goes back to the Germanic weather god Thor
- c) it appears in the Christmas story of the New Testament
- d) **it arose in the Alsace of the 16th century**

Why can't the larch be a Christmas tree?

- a) **it does not have any needles in winter**
- b) it has very thorny needles
- c) it is very seldom and therefore terribly expensive
- d) it has a large resin content and is therefore flammable

Tree - conifer

The needles of which tree smell like orange if they are rubbed?

- a) pine
- b) **douglas fir**

- c) spruce
- d) larch

Which tree loses its needles in winter? (K)

- a) spruce
- b) pine
- c) larch
- d) fir

What is Anemophily in regard of pines?

- a) wind pollination
- b) insect pollination
- c) needle size
- d) bark pattern

What are all types of fir?

- a) evergreen
- b) always green
- c) all the time green
- d) endless green

What does the spruce do in winter?

- a) winter rest
- b) hibernation
- c) winter break
- d) torpor

What is typical for a young douglas fir?

- a) turquoise green colour of the bark
- b) fungal form
- c) thorny needles
- d) small blisters of resin on the bark

Mushroom

A mushroom "raises" the hat so that ? (K.)

- a) it looks beautiful
- b) its foot won't get wet
- c) people can find him better
- d) the spores can fall out

What should be used to collect mushrooms with? (K)

- a) plastic bag
- b) handbag
- c) backpack
- d) punnet

How do you have to prepare mushrooms in order to not poison oneself? (K)

- a) doesn't matter, but always let the dog have a bite first
- b) use only edible mushrooms
- c) cook them with a silver spoon
- d) boil them for 2 hours

How do mushrooms propagate?

- a) by seeds
- b) by spores

- c) by spurs
- d) by spermia

What do the mushrooms produce?

- a) aspirin
- b) penicillin
- c) cortison
- d) analgin

Which one is a bracket fungi ?

- a) honey fungus
- b) fly agaric.
- c) bay bolete
- d) green death cap

Animal

General

What can be a cause for cannibalism of the common hamsters?

- a) it depends on the species
- b) too much reproduction
- c) defence
- d) mating

To which class of animals do the bats belong? (K)

- a) mammal
- b) birds
- c) insects
- d) dinosaur

Which animal fells trees? (K)

- a) bear
- b) beaver
- c) wild boar
- d) bittersweet

What can a female bear delay up to 3 month?

- a) the birth of offspring
- b) it own death
- c) the change of the coat
- d) the loss of its tooth

Which animal does not belong to the family of the martens?

- a) muskrat
- b) badger
- c) polecat
- d) weasel

Which animal hisses?

- a) blackbird
- b) camel
- c) giraffe
- d) lion

Which baby animal is called fawn? (K)

- a) little pig
- b) little deer
- c) little horse
- d) little dog

A jack-ass is a ...?

- a) mouse
- b) camel
- c) owl
- d) donkey

Which animal carries its baby in a pouch?

- a) panther
- b) whale
- c) lion
- d) kangaroo

Which of the following animals is not part of the antelopes?

- a) impala
- b) gnu
- c) kudu
- d) okapi

Which of these animals is not part of the protected animals? (D)

- a) beaver
- b) hedgehog
- c) bat
- d) european hare

Where do most species of bear live?

- a) into snow and ice
- b) in the woods
- c) in the steppe
- d) in the desert

Which of these dogs is the biggest?

- a) poodle
- b) Alsatian
- c) Saint Bernard dog
- d) Cocker-Spaniel

Which of these animals barks like a dog sometimes? (K)

- a) raven
- b) deer
- c) roe deer
- d) badger

Animal - fox

What are *vixen* with regard to foxes?

- a) traces
- b) female
- c) prey
- d) young animals

What does the fox eat?

- a) Bracket fungi
- b) leaves
- c) fruits
- d) cats

Animal - elk

Which animal is not an enemies of the elk?

- a) bear
- b) wolf
- c) tiger
- d) lynx

Animal - beaver

What does the beaver do in winter?

- a) winter break
- b) torpor
- c) hibernation
- d) winter rest

How is the "home" of the beaver called ? (K)

- a) beaver castle
- b) beaver lodge
- c) beaver house
- d) beaver cave

Animal - badger

What does the badger do in winter?

- a) winter break
- b) torpor
- c) winter rest
- d) hibernation

Where does the badger live? (K)

- a) sett
- b) hole in the tree-trunk
- c) hollow in an open field
- d) nest in the tree

Animal - hedgehog

What do hedgehogs do if they feel threatened? (K)

- a) runs away
- b) attacks
- c) roars
- d) rolls into a tight ball

What does not belong on the menu of the hedgehogs?

- a) spiders
- b) insects
- c) rattles
- d) fish

How are hedgehogs born?

- a) naked and blind
- b) with fur and blind
- c) with fur and open eyes
- d) naked with open eyes

Animal - lynx

Of what do lynxes not live on?

- a) fish
- b) rabbits
- c) marmots
- d) wild boars

Animal – mouse

What do some species of mouse like to eat?

- a) soap
- b) metal
- c) sand
- d) light bulbs

How are most species of mouse not born?

- a) naked
- b) blind
- c) deaf
- d) pigmented

Animal – roe deer

What do roe deer eat? (K)

- a) insects
- b) fish
- c) small mammals
- d) leaves, herbs

Animal - stag

What are the antlers of the stag made of?

- a) horn
- b) bone
- c) cartilage
- d) marrow

Animal - hare

Where do most of the hares live?

- a) earth buildings
- b) dense woods
- c) lakeside
- d) open fields

How is the offspring of the hare born?

- a) naked and blind
- b) with fur and blind
- c) with fur and open eyes
- d) naked and open eyes

What does not distinguish the rabbits from the hares?

- a) place where they live
- b) being a loner
- c) length of the ears
- d) **the food**

Animal - bat

Where do the bats belong to? (K)

- a) to the birds
- b) **to the mammals**
- c) to the insects
- d) to the molluscs

What is the skin called between the bones of the wing of the bat?

- a) **flight membrane**
- b) flight skin
- c) flight sail
- d) flight blanket

What do most species of bat eat?

- a) fruits
- b) **insects**
- c) blood of animals
- d) leaves

Animal - squirrel

What is part of the squirrels food ?

- a) fawns
- b) **young birds**
- c) young hedgehogs
- d) young hares

Animal - wolf

Today, wolves are indigenous in many European countries (again). In which of the following is that the case?

- a) Luxembourg
- b) **Italy**
- c) Denmark
- d) Iceland

When can wolves get dangerous for people?

- a) **if you feed them so they become tame**
- b) wolves are never dangerous
- c) wolves are always dangerous
- d) wolves only exist in fairy tales

How does the wolf find its prey most likely?

- a) **by (body) odour**
- b) by following the fresh traces
- c) by spying the prey
- d) by the sounds of the prey

What is the Latin name of the wolf?

- a) Cuala lumpur
- b) cannabis
- c) **Canis lupus**
- d) Candis Sucre

The founders of which town were feed by a she-wolf?

- a) Paris
- b) Wolftown
- c) **Rome**
- d) Wolfsburg

Wolves do not live on which continent?

- a) Europe
- b) Asia
- c) North America
- d) **Antarctic**

When do wolves get sexually mature?

- a) with 6 months
- b) with a year
- c) **with two years**
- d) with 6 years

Animal - bird - general

Which peafowl can raise its feathers into a fan ?

- a) common peafowl
- b) fan peafowl
- c) **blue peafowl**
- d) every female peafowl

Cockatoos belong to the ...?

- a) **parrots**
- b) owls
- c) starlings
- d) kingfishers

Which birds are related to the nuthatch?

- a) storks
- b) **titmice**
- c) hawks
- d) starlings

What is the scientific name of ravens and crows?

- a) **Corvus**
- b) Corvis
- c) Corvas
- d) Corves

Where does the cuckoo lay its eggs? (K)

- a) **into nests of other birds**
- b) in the hole of other animals
- c) on the ground
- d) they are viviparous

What is not part of the menu of the cuckoo?

- a) other birds
- b) hairy caterpillars
- c) spiders
- d) snails

Where do woodpeckers lay their eggs ?

- a) moss
- b) other bird's nests
- c) tree holes
- d) sand hollows

Animal - bird - titmouse

What does the great tit eat as well?

- a) bats
- b) shrews
- c) voles
- d) wood mice

Animal - bird – jay

What can the jay do special?

- a) run down at the tree-trunk headfirst
- b) imitate voices of other birds
- c) fly long time on one spot
- d) put the head into the sand

Which food does the jay prefer?

- a) plants
- b) animals
- c) mushrooms
- d) it is an omnivore

Where does the jay lay its eggs ?

- a) tree cave
- b) sand hollow
- c) nest
- d) foxhole

Animal - bird – crane

Where do most species of crane lay its eggs?

- a) nests on the ground
- b) sand hollows
- c) tree holes
- d) nests in treetops

How do the cranes fly to the south?

- a) V formation
- b) W formation
- c) U formation
- d) O formation

Animal - invertebrates - general

Which of these lions does exist in European woods? (K)

- a) Barbary lion
- b) sea lion
- c) ant lion
- d) mountain lion

How many teeth does an earthworm have? (K)

- a) 56
- b) 32
- c) 10
- d) no-one

Which living beings form colonies? (K)

- a) fire bug
- b) sparrow
- c) wolf
- d) wood ant

Which animal pulls the fallen leaves into the forest soil in autumn? (K)

- a) wood ant
- b) wood mouse
- c) mole
- d) earthworm

How dangerous are hornets?

- a) 7 hornet stings can kill a horse)
- b) a horse can kill 7 hornets)
- c) hornet stings are not more dangerous than wasp stings
- d) hornets are completely harmless

Ticks are ..?

- a) beetles
- b) arachnids
- c) crayfish
- d) caterpillars

What is a Pine Beauty?

- a) the witch of the forest
- b) a bird
- c) a butterfly
- d) a plant

To which group of animals does the cricket belong?

- a) bees
- b) beetles
- c) grasshoppers
- d) dragon-flies

A water-flea is ...?

- a) an insect
- b) a little fish
- c) a crayfish animal
- d) an alga plant

Animal - invertebrate - wasp

How are the male wasps called?

- a) male
- b) hard worker
- c) drone
- d) wasps do not have any males

Which animal does not belong to the natural enemies of the wasps?

- a) honey buzzard
- b) red-backed shrike
- c) ichneumon wasps
- d) hedgehog

Animal - invertebrate - gnats

What does is called *imago* with regard to gnats?

- a) egg
- b) larva
- c) pupa
- d) the adult stage of an insect

Which species of crane fly does really exist?

- a) summer crane fly
- b) spring crane fly
- c) winter crane fly
- d) autumn crane fly

Animal - invertebrate - bumble-bee

Which species of bumble-bee does really exist?

- a) hill bumble-bee
- b) rock bumble-bee
- c) mountain bumble-bee
- d) summit bumble-bee

What is the Latin name of the bumble-bee?

- a) Bamboo
- b) Bembus
- c) Brumbus
- d) Bombus

Animal - invertebrate - may bug

What does *metamorphosis* describe with May beetles?

- a) pattern of the wing
- b) antenna
- c) mating act
- d) transformation

What does the May bug live on?

- a) greenflies
- b) leaves
- c) mushrooms
- d) ticks

Animal - invertebrate - snail

What does the snail do in winter?

- a) torpor
- b) hibernation
- c) winter rest
- d) winter break

To which animal group does the snail belong?

- a) shell bearing animal
- b) molluscs
- c) amphibians
- d) reptiles

How are the blood pigments of the snails called?

- a) haemoglobin
- b) haemocyanins
- c) chlorophyll
- d) methaemoglobin

Animal - invertebrates - dragon-flies

What is the main function of the antennae of dragon-flies?

- a) to feel for obstacles
- b) determination of the speed
- c) to detect smells
- d) to communication with animals of the same species

What do most species of dragon-fly live on?

- a) other insects
- b) reed
- c) vertebrate's blood
- d) fruits

Where do dragon-flies lay its eggs in general?

- a) into or nearby waters
- b) in the woods
- c) in the sand
- d) into carrion

Animals - invertebrates - spider

How many legs do spiders have?

- a) 4
- b) 6
- c) 8
- d) 10

How is the fear of spiders called?

- a) anarchophobia
- b) arachnophobia
- c) archophobia
- d) amarchophobia

Which species is part of the arachnids as well?

- a) scorpions
- b) rattles
- c) crayfish
- d) ants

Animal - invertebrate - ant

Where does the ant queen lay its eggs? (K)

- a) next to dead animals buried in the grounds
- b) under layer of leaves and needle in the woods
- c) in the lower chambers of the ant hill
- d) at a sunny place in the woods

Which species of ant does really exist?

- a) pharaoh ant
- b) prince ant
- c) emperor ant
- d) tsar ant

How many legs do ants have?

- a) 4
- b) 6
- c) 8
- d) this 10

How do ants live?

- a) in colonies
- b) in families
- c) single
- d) as a couple

Animal - invertebrate - stag-beetle

Where does the stag-beetle have its name from? (K)

- a) it noises while flying in the evening frightens the stag to panic
- b) it sucks the blood for the stag at night, till they drop dead
- c) it bells like a stag in the rut
- d) the prolonged upper jaw of the male resembles to the antlers of a stag

In which stage do the stag-beetles live the longest?

- a) as an egg
- b) as a larva
- c) as a pupa
- d) in the adult stage

To whom are the larvae of the stag-beetle a delicacy? (K)

- a) grass snake
- b) stag
- c) man
- d) wild boar

What do male stag-beetles need its antlers for?

- a) to fight enemies and to defend themselves
- b) to run and climb
- c) to hold the balance while flying
- d) to bite and pinch

What do adult stag-beetles live on?

- a) carcass of dead stag
- b) smaller insects
- c) dead wood in the underground
- d) juice of the trees

What do stag-beetle larvae live on?

- a) dead wood in the underground
- b) dead wood on the ground
- c) wood of conifers
- d) worms and snails

What are the "mandibles" of the stag-beetle?

- a) the claws of the legs
- b) the "antlers"
- c) the exoskeleton
- d) the one-year-old larvae

Animal - amphibian/reptile - general

What are "Urodela"?

- a) salamander
- b) kidney stones of the deer
- c) diapers for forestal seniors
- d) the word is nonsense

Which of these snakes lives in the European woods? (K)

- a) cobra
- b) adder
- c) mamba
- d) python

Which animal can match its colour of the skin to the surroundings?

- a) sloth
- b) chameleon
- c) anteater
- d) earthworm

What is the essential characteristics of amphibians?

- a) how they walk
- b) they can live in the water and on the ground
- c) nothing
- d) colour

How is the fear of amphibians called?

- a) batrachophobia
- b) betrayophobia
- c) baronophobia
- a) Barophobia

Animal - amphibian/reptile - adder

What does *ovovivipary* mean in regard of adders?

- a) development of the eggs inside the mother's body until they are ready to hatch
- b) secretion of the poison

- c) way of moving
- d) mating type

What does the adder smell with?

- a) nose
- b) tongue
- c) it is not able to smell
- d) with its outer skin

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