

Biology Week 2014

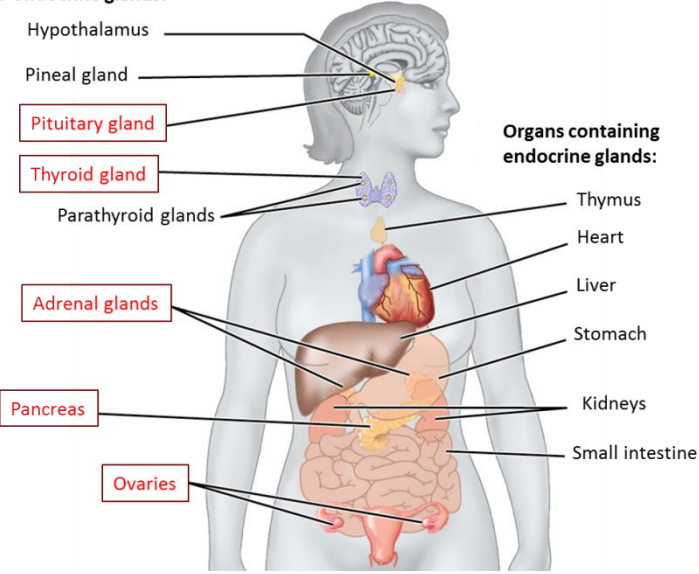
Quiz for ages 13-15

Answers

Question number	Question	Answer
1	True or false: Some species of fungus can grow in the dark.	True Some fungi that feed off decaying wood glow blue-green in the dark. This is due to the enzyme luciferase. It's not known why some fungi do this, it may be to attract insects, to spread spores or to prevent animals feeding on the fungus.
2	How many hearts does an octopus have? a. 1 b. 2 c. 3 d. 4	c. 3
3	The heart and blood cells are components in which body system? a. Circulatory System b. Immune System c. Reproductive System	a. Circulatory system
4	Which gas do we breathe out in the highest quantity? a. Nitrogen b. Carbon dioxide c. Oxygen	a. Nitrogen
5	In hot weather, urine becomes... a. More concentrated and lighter in colour b. More concentrated and darker in colour c. Less concentrated and lighter in colour d. Less concentrated and darker in colour	b. More concentrated and darker in colour Urine contains a pigment called 'urochrome' which varies from pale yellow to amber, depending on the concentration of urine. When you're dehydrated your urine becomes more concentrated, as your body is trying to absorb as much water as possible and so the pigment in your urine becomes more concentrated, making it appear darker.

6	<p>The honey fungus (<i>Armillaria solidipes</i>) is one of the largest organisms in the world.</p> <p>How big do you think it is?</p> <ul style="list-style-type: none"> a. 0.4 square kilometres b. 2.4 square kilometres c. 8.4 square kilometers 	<p>c. 8.4 km</p> <p><i>A single honey fungus colony was found in the Malheur National Forest, Oregon, USA. It measured 9.4km (2,200 acres) in size, weighed as much as 605 tonnes and has been growing for around 2400 years! One of the reasons why it can grow to such a large size is because it grows slowly, expanding its network of fungal strands underground.</i></p>
7	<p>Trachea, lungs, diaphragm are parts of which body system?</p> <ul style="list-style-type: none"> a. Respiratory System b. Immune System c. Muscular System 	<p>a. Respiratory System</p>
8	<p>What is the world's longest recorded animal?</p> <ul style="list-style-type: none"> a. A bootlace worm b. Blue whale c. Great white shark d. Lions mane jellyfish 	<p>a. A bootlace worm (55m)</p> <p>Blue whale (33m) Great white shark (8m) Lions mane jellyfish (37m)</p>
9	<p>Which of these are primary producers?</p> <ul style="list-style-type: none"> a. Sea urchin b. Sponge c. Sea squirt d. Kelp 	<p>d. Kelp</p>
10	<p>What is plankton?</p> <ul style="list-style-type: none"> a. Any animal living in the sea that is too small to see without a microscope b. Small plants which live on the sea bed c. Drift wood, which can be reused to make furniture and flooring d. Living things which drift on ocean currents 	<p>d. Living things which drift on ocean currents</p>
11	<p>Oesophagus, stomach and intestine are parts of which</p>	<p>a. Digestive system</p>

	<p>body system?</p> <ul style="list-style-type: none"> a. Digestive System b. Respiratory System c. Circulatory System 	
12	<p>True or false...</p> <p>Sharks are colour blind</p>	True
13	<p>New Zealand's giant weta is the heaviest insect in the world. The biggest one ever found weighed the equivalent of...</p> <ul style="list-style-type: none"> a. One mouse b. Two mice c. Three mice d. Four mice 	c. Three mice
14	<p>What type of animals from fiction are these?</p> <ul style="list-style-type: none"> a. Scabbers b. Eeyore c. Bagheera d. Michaelangelo 	<ul style="list-style-type: none"> a. Rat, Harry Potter b. Donkey, Winnie the Pooh c. Black panther/melanistic leopard, Jungle Book d. Turtle, Teenage mutant ninja turtle
15	<p>What do we call the square frame used for plant sampling?</p> <ul style="list-style-type: none"> a. Quadmat b. Quadrat c. Sampling square d. Quad frame 	b. Quadrat
16	<p>According to the legend, the roots of which plant scream when dug up?</p>	<p>Mandrake (Fictional plant which features in Harry Potter)</p>
17	<p>Match the correct endocrine organ:</p>	

	<p>Major endocrine glands:</p> <p>Hypothalamus</p> <p>Pineal gland</p> <p>Pituitary gland</p> <p>Thyroid gland</p> <p>Parathyroid glands</p> <p>Adrenal glands</p> <p>Pancreas</p> <p>Ovaries</p>	 <p>Organs containing endocrine glands:</p> <p>Thymus</p> <p>Heart</p> <p>Liver</p> <p>Stomach</p> <p>Kidneys</p> <p>Small intestine</p>
18	<p>Which of these species has fewest genes?</p> <p>a. Chimpanzees</p> <p>b. Humans</p> <p>c. Mice</p> <p>d. Rice</p>	<p>a. Chimpanzees (20,800)</p> <p>Humans (23,600)</p> <p>Mice (23,100)</p> <p>Rice (50,900)</p>
19	<p>What is the length of DNA in each of your cells?</p> <p>a. 2mm</p> <p>b. 2cm</p> <p>c. 20cm</p> <p>d. 2m</p>	d. 2m
20	<p>True or false...</p> <p>Whales have belly buttons.</p>	True

Thank you for taking part in the 'Biology Week' quiz 2014

If you have any feedback you would like to share with us about the quiz, or 'Biology Week', please share it with us.

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