

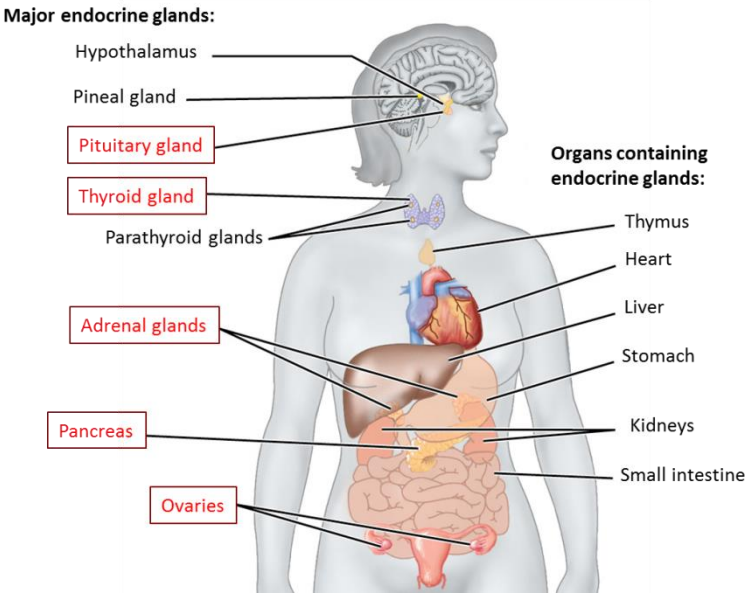
Biology Week 2014

Quiz for ages 16-18

Answers

Question number	Question	Answer
1	Which gland secretes insulin? a. Pancreas b. Lymph nodes c. Sweat glands d. Salivary glands	Pancreas
2	True or false? Kidneys remove soluble waste from the blood.	True
3	If someone is said to have 'rickets', what are they lacking? a. Cortisol b. Glucagon c. Vitamin D	c. Vitamin D
4	Arachnophobia is the phobia of what?	Spiders
5	Oocytes are fertilised by a spermatozoon to form a zygote. Where are the oocytes generated and released from? a. Testis b. Ovary c. Pituitary d. Hypothalamus	b. Ovary

6	Which of the following is a human body cell that is associated with the immune system? a. Adipocyte b. Bacteria c. Macrophage d. Capillary	c. Macrophage
7	Which base pairs with cytosine in DNA?	Guanine
8	What does hydrophilic mean?	Water-loving
9	How many hearts does an octopus have? a. 1 b. 2 c. 3 d. 4	c. 3
10	How many chromosomes do you have? a. 23 b. 38 c. 46 d. 48	c. 46
11	True or false? Xylem transports water and solutes from the roots to the leaves.	True
12	New Zealand's giant weta is the heaviest insect in the world. The biggest one ever found weighed the equivalent of... a. One mouse b. Two mice c. Three mice d. Four mice	c. Three mice

13	Oncology is the study of...	Cancer
14	True or false? Some species of fungi can glow in the dark...	True <i>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.</i>
15	What is the name for different forms of a particular gene?	Allele
16	Which chemical builds up in hard working muscles?	Lactic acid
17	What type of animals from fiction are these? a. Scabbers b. Eeyore c. Bagheera d. Michaelangelo	a. Rat, Harry Potter b. Donkey, Winnie the Pooh c. Black panther/melanistic leopard, Jungle Book d. Turtle, Teenage mutant ninja turtle
18	Match the correct endocrine organ: <div style="text-align: center;"> <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> </div>  <div style="text-align: right;"> <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> </div>	

19	Which of these species has fewest genes? a. Chimpanzees b. Humans c. Mice d. Rice	a. Chimpanzees (20,800) Humans (23,600) Mice (23,100) Rice (50,900)
20	What is the length of DNA in each of your cells? a. 2mm b. 2cm c. 20cm d. 2m	d. 2m
21	Which base is found in RNA but not DNA? a. Guanine b. Uracil c. Thymine d. Cytosine	b. Uracil
22	Which gas do we breathe out in the highest quantity?	Nitrogen
23	Cardiology is the study of...	The heart
24	True or false? Whales have belly buttons.	True
25	What does 'SSSI' stand for?	Site of Special Scientific Interest

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.

Contact natashalittle@societyofbiology.org
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