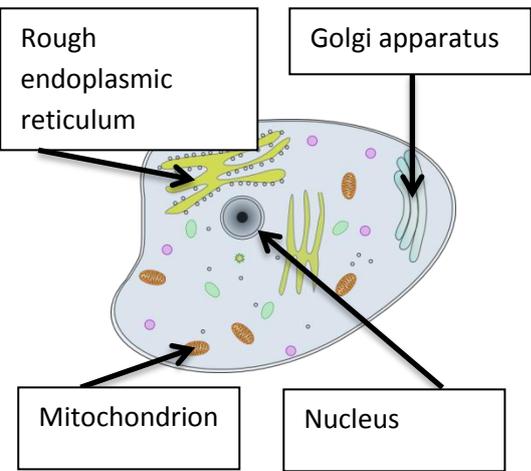


## Biology Week 2017

### Quiz for ages 13-15

#### Answers

Question number	Question	Answer	Points
1	Some species of fungi can grow in the dark		1
2	How many hearts does an octopus have?		1
3	Can you name these 3 famous biologists?	(L-R) Gregor Mendel, Jane Goodall, Charles Darwin	3
4	Name the structures of this animal cell	 <p>The diagram shows a cross-section of an animal cell. It contains several organelles: a large, dark, spherical nucleus with a nucleolus inside; rough endoplasmic reticulum (yellow, flattened sacs with small dots on its surface); smooth endoplasmic reticulum (yellow, tubular structures); Golgi apparatus (green, stacked, flattened sacs); and several mitochondria (orange, bean-shaped structures with internal folds). Arrows point from text labels to these specific structures.</p>	4
5	The heart and blood cells are components in which body system?	Circulatory system	1
6	Which gas do we breathe out in the highest quantity?	Nitrogen	1
7	True or False? Whales have belly buttons	True	1
8	What is the length of DNA in each of your cells?	2m	1

9	What is the world's longest recorded animal?	Answer: Bootlace work (55m)  <i>Blue whale (33m)</i> <i>Great White Shark (8m)</i> <i>Lions Mane Jellyfish (37m)</i>	1
10	Approximately how many more bacterial cells are there in your body than your own cells?	10 times more	1
11	According to the legend, the roots of which plant scream when dug up?	Mandrake	1
12	Which type of animals are these characters from fiction?	a) Warthog b) Horse c) Pig d) Frog	4
13	In hot weather, urine becomes...	More concentrated and darker in colour	4
14	The honey fungus ( <i>Armillaria solidipes</i> ) is one of the largest organisms in the world. How big do you think it is?	8.4 square kilometres  <i>A single honey fungus colony was found in the Malheur National Forest, Oregon USA. It measures 8.4km (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>	1
15	What is plankton?	Living things which drift on ocean currents	1
16	Approximately how many species of lizards are there in the world?	3000-6000  <i>There are currently over 4500 lizard species</i>	1
17	What does a herpetologist study?	Amphibians and reptiles	1
18	True or false? Sharks are colour blind	True	1
19	Which of these species has fewest genes?	<b>Chimpanzees (20,800)</b> <i>Humans (23,600)</i> <i>Mice (23,100)</i> <i>Rice (50,900)</i>	1
20	Which animal would Sir David Attenborough most like to be?	Sloth	1