

## Biology Week 2016

### BioSoc Quiz

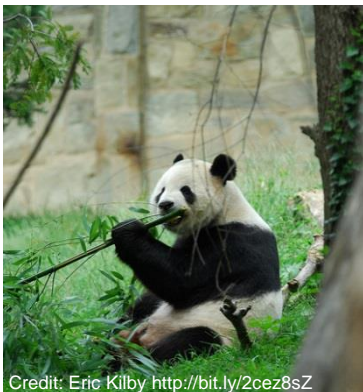
## Section 1 – Short Questions

*One mark for each correct answer*

1. In August 2016, the **Greenland shark** made headlines when it was declared the oldest (known) vertebrate animal. Approximately how long do these creatures live?

- (A) 310 years    (B) 180 years    (C) 250 years    (D) 400 years

2. Which **ONE** of the following organisms is classified as **Critically Endangered** on the IUCN Red List of threatened species?



(A) Giant Panda



(B) Canary Islands Dragon Tree



(C) Black Rhinoceros

3. Which **ONE** of the following is a type of **fish**? (Contributed by the Marine Biological Association)

- (A) Starfish    (B) Cuttlefish    (C) Seahorse    (D) Dolphin

4. What would you be doing if you were performing **vaccinulgence**? (Contributed by the Biochemical Society)

5. What is the name of the pathway, consisting of 10-enzyme catalysed steps, resulting in the creation of **pyruvate**, called?

6. What is the name of the nitrogen-containing **polysaccharide** that forms the tough exoskeletons of most arthropods?

7. Animals, plants and microbes undergo behavioural and/or physiological changes over a 24-hour period; these are governed by an internal biological clock. What is this phenomenon termed? (Contributed by the British Society for Immunology)

8. **Parathyroid** hormone is involved in regulating calcium levels within a healthy individual; it is produced in the parathyroid glands. Where are these glands located?

9. What condition results from having **three** copies of chromosome 21?

10. What do we call the waves of **muscular contraction** which push food through the gut?

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## Section 2 - True or False?

Answer true or false to the following statements. One mark for each correct answer.

|                                                                    |  |
|--------------------------------------------------------------------|--|
| There are 100 species of bee in the UK                             |  |
| All genes have two alleles                                         |  |
| The large intestine is the heaviest organ in the body              |  |
| The average sneeze is 100 miles per hour                           |  |
| Salbutamol is a drug commonly used to treat epilepsy               |  |
| Bears are classified in the taxonomic family Ursidae               |  |
| In flower anatomy, the stamen consists of a filament and an anther |  |
| The collective noun for a group of owls is 'parliament'            |  |
| Whales have belly buttons                                          |  |
| Each person has approximately 2 billion heart cells                |  |
| A sphygmomanometer is used to measure brain activity               |  |
| Aspirin is derived from chestnut bark                              |  |
| The 'S' in MRSA stands for <i>Streptococcus</i>                    |  |
| The water shrew is venomous                                        |  |
| The largest recorded snake (in captivity) is 10m long              |  |

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## Section 3 - Anagrams

Solve these anagrams to reveal the names of notable diseases. One mark for a correct answer.

|                    |  |
|--------------------|--|
| CAR HOLE           |  |
| TEN ACRE CRABS     |  |
| ELKS SENSE SPICING |  |
| BULL EAR           |  |
| BUSIER LOCUST      |  |
| AM A LIAR          |  |
| INHALE IS A MISS   |  |
| FEUD REVENGE       |  |
| VERY FOWL EEL      |  |
| SPY ROLE           |  |

Solve these anagrams to reveal the names of types of insects. One mark for a correct answer.

|                     |  |
|---------------------|--|
| TEST BEAGLE         |  |
| LAB HARDLY INQUIRED |  |
| GYMNAST IN A RIP    |  |
| NO DRY FLAG         |  |
| I WAGER             |  |

Solve these anagrams to reveal the names of types of tree One mark for a correct answer.

|                |  |
|----------------|--|
| BONE HARM      |  |
| SO CREAMY      |  |
| I WRONGED TOAD |  |
| CRIB SHRIVEL   |  |
| SOUTH TRENCHES |  |

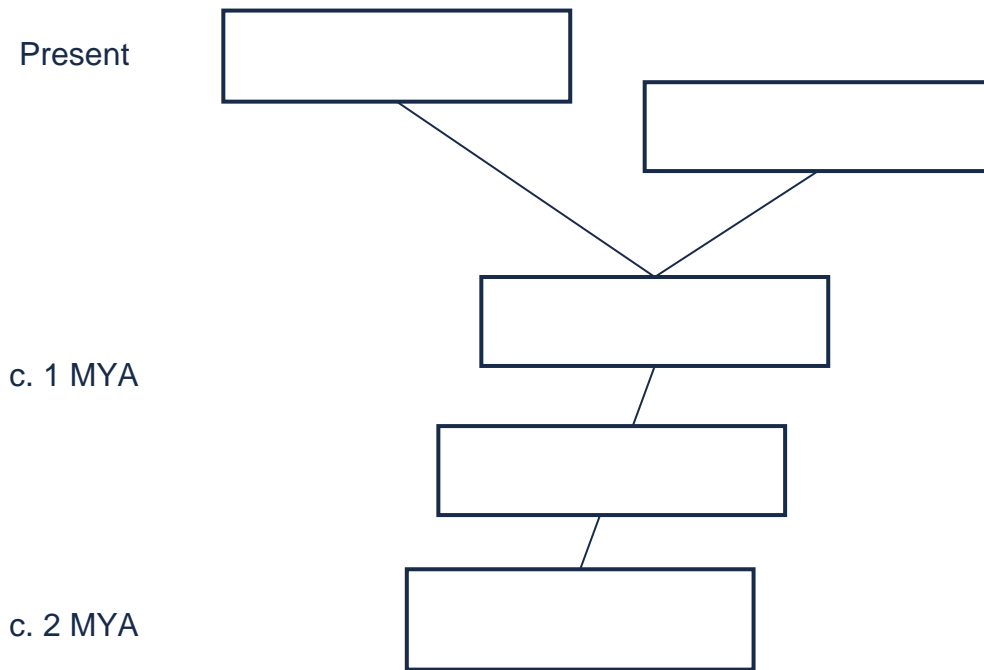
# Section 4 - Fill in the gaps

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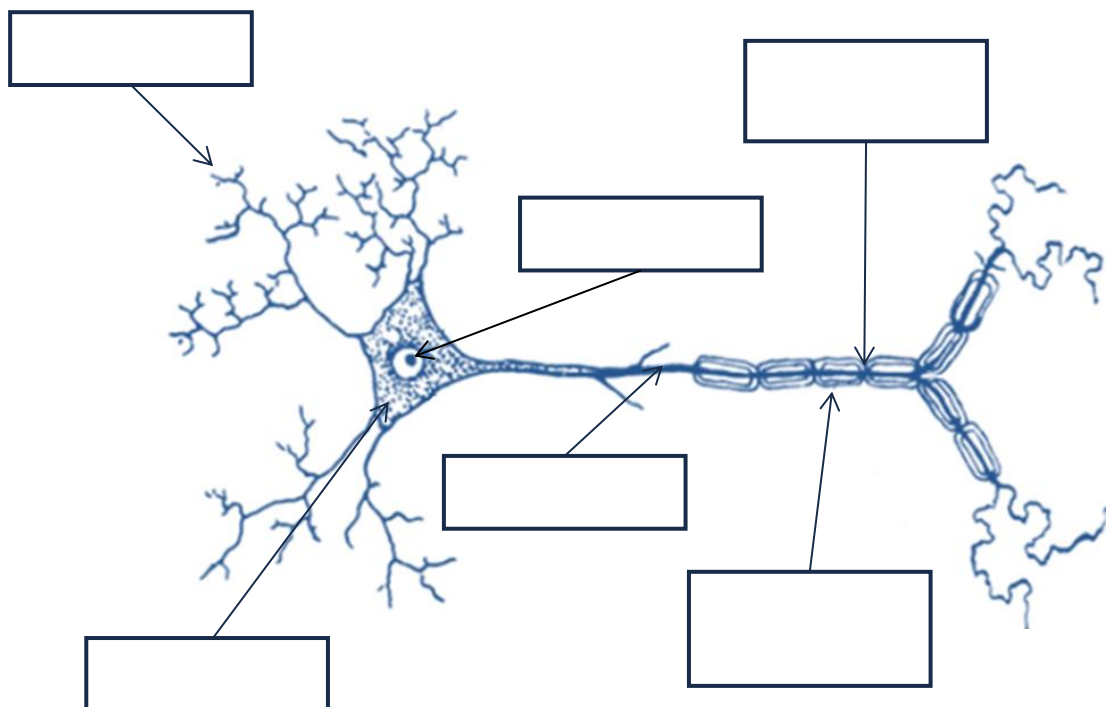
Award one mark for each correctly filled gap.

## Human evolution:

Use the following: *Homo heidelbergensis*, *Homo sapiens*, *Homo erectus*, *Homo neanderthalensis*, *Homo habilis*.

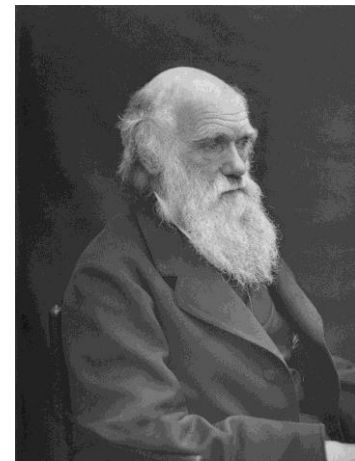
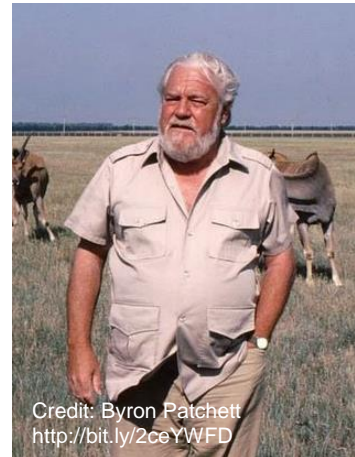


## Label the diagram of the motor neurone:



# Section 5 - Name the biologist

Award one mark for each correctly named biologist.



## Section 6 – Name the organism

Correctly name the species from the close up images below (5 marks for each answer)

(A)



(B)



/10

# Section 7 – Caption Competition

*The funniest caption for each image is awarded 5 marks.*

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(A)



(B)





## How did you do?

Let us know on Twitter @RoyalSocBio tweet #BiologyWeek

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*Thank you for helping us celebrate Biology Week 2016!*