

19. The diagram shows a range of substances that are either acid, neutral or alkali.



(a) Name the neutral substance.

(b) State which substance you could add to tomato juice to create a neutral solution.

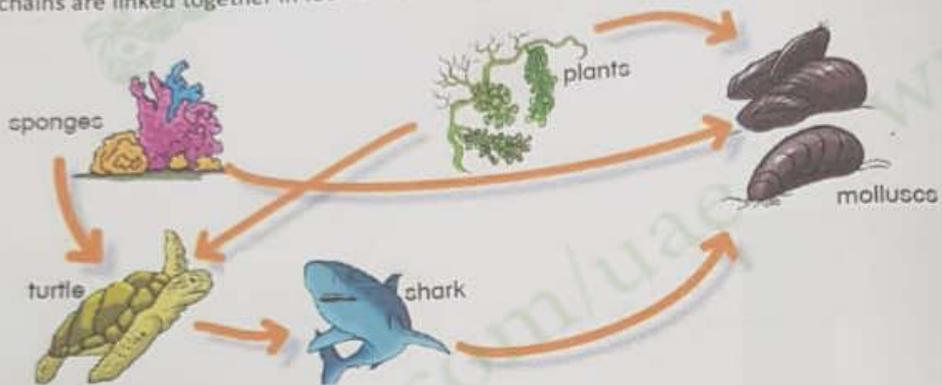
20. Complete the table by adding the organs to the correct organ system. One has been done for you.

Brain	Heart	Small Intestine	Stomach	Veins
Digestive System		Circulatory System		
		Veins		

21. Draw lines to match each mixture to the best way to separate the substances in it.

Sand and stones	
Ink and water	
Water and sand	

Food chains are linked together in food webs. Use this food web to answer the next 2 questions.



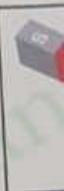
14. Which organism is a **predator** of the turtle?
- Sponges
 - Plants
 - Shark
 - Molluscs
15. What would happen to the **number** of turtles if all the sharks die?
- The number of turtles will stay the same
 - The turtles will all die
 - The number of turtles will decrease
 - The number of turtles will increase
16. Renewable resources have advantages and disadvantages. Complete the table by adding one **advantage** of wind energy.

Energy Resource	Advantages	Disadvantages
Solar	Does not produce carbon dioxide	Only works if the weather is sunny
Wind		Wind is unpredictable

17. (a) Draw three components

(b) Connect

18. Label the

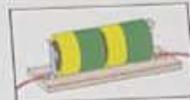
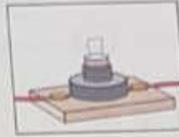


17. (a) Draw **three (3)** lines to match the name of each component to its picture.

Battery

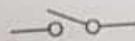
Bulb

Switch



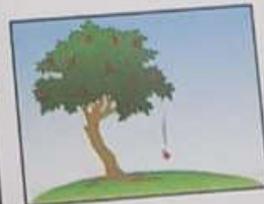
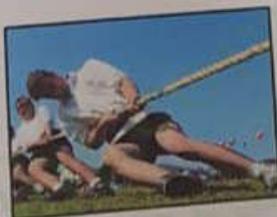
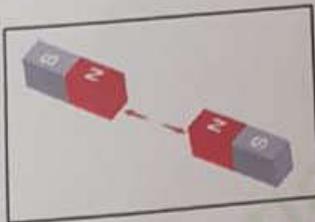
[4]

(b) Connect the symbols of a **battery**, **switch** and **bulb** to create an electric circuit diagram.



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18. Label the force in each picture with either **contact** or **non-contact**. One has been done for you.



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Non-contact

Total

10. Which type of reaction is happening in the picture?

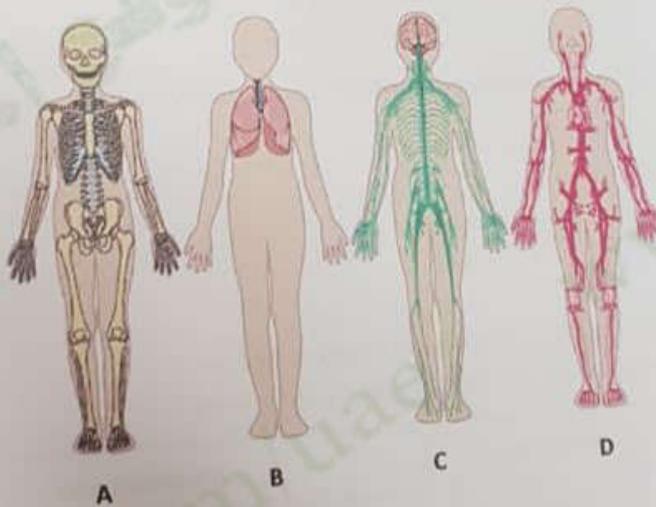
- A. Neutralisation
- B. Combustion
- C. Freezing
- D. Evaporation



11. Which picture shows a **chemical change**?



12. Which diagram shows the **skeletal system**?



13. What is the name of the **organs** that help you breathe?

- A. Stomach
- B. Brain
- C. Heart
- D. Lungs

Total

1. Renewable energy resources generate electricity. Which natural resource is being used in the picture?

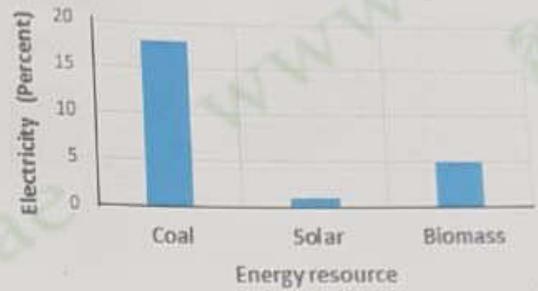
- A. Wave
- B. Wind
- C. Biofuel
- D. Tidal



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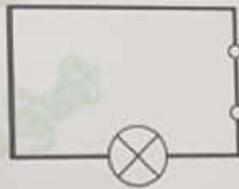
2. The graph shows three ways the UK makes electricity. Which percentage of electricity does **Biomass** make?

- A. 1
- B. 5
- C. 18
- D. 20



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3. The circuit in the diagram does not work.



Which component is missing?

A 	B 	C 	D
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4. Which **force** makes a ball drop to the ground?

- A. Friction
- B. Push
- C. Magnetism
- D. Gravity

[4]

Total

22. The class carried out an investigation about burning candles under jars of different sizes. They recorded their results in the table below.

Size of jar	Time candle burned (seconds)
Small	11
Medium	17
Large	25



Describe what happened to the **time the candle burned** as the size of the jar **increased**.

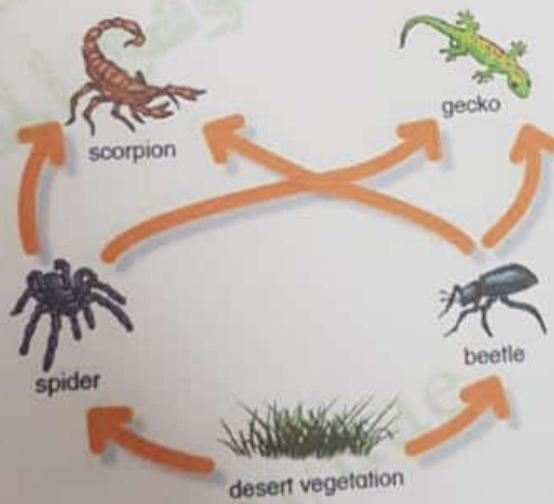
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23. Food chains are linked together in food webs.



Name the **producer** in this food web.

[4]

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Total