

Revision Test Year 8: Reminiscing the Past (03.11.2021)

1. A bottle containing kerosene shown in figure below is labeled with a hazard symbol. What does this symbol represent?

- A. Biohazard.
- B. Explosive.
- C. Flammable.
- D. Radioactive.

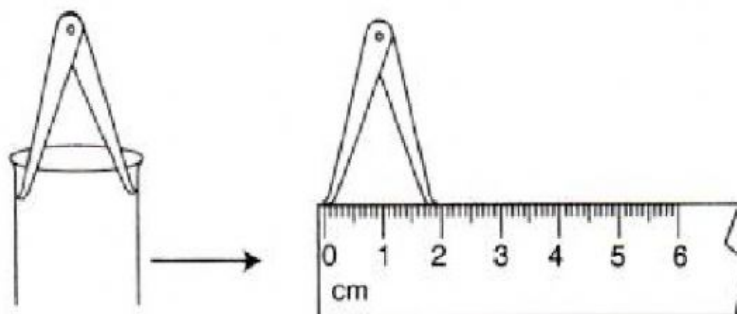
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2. Figure below shows a Bunsen burner. The air hole of the Bunsen burner is kept closed when not heating anything. What is the reason for this?

- A. The burner will not get overheated.
- B. The flame can be easily seen.
- C. To get more heat from the flame.
- D. To save the amount of gas used.

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3. Figure below shows the internal diameter of a test tube being measured. What is the internal diameter of the test tube in mm?

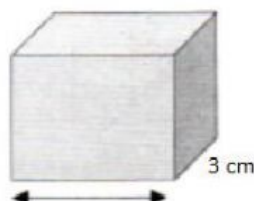


	Internal diameter of test tube/mm
A.	20
B.	19
C.	18
D.	17

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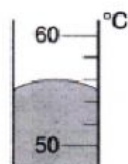
4. Figure below shows a cube of wood. The length on each side is 3 cm and the mass of the cube is 16.2 g. Calculate the density of the cube?

- A. 0.6 g/cm^3
- B. 1.7 g/cm^3
- C. 1.8 g/cm^3
- D. 25.2 g/cm^3

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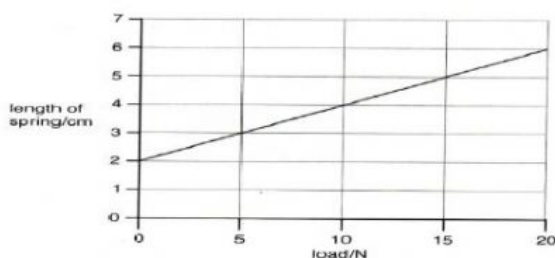
5. Figure below shows the level of mercury in a thermometer. What is the reading?

- A. 52 °C
- B. 54 °C
- C. 56 °C
- D. 58 °C


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6. Figure below shows graphically the extension of a spring when different loads were attached to it. What is the load if the length of the spring is 4 cm?

- A. 20 N
- B. 10 N
- C. 5 N
- D. 4 N


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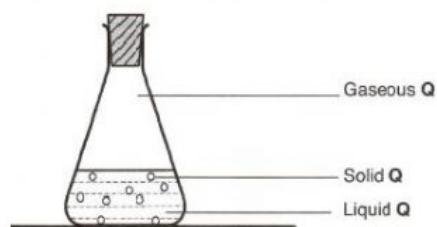
7. Which of the following features cannot be used for classifying animals?

- A. The body temperature of the animal.
- B. The nature of the animal's skin.
- C. The eating habits of the animal.
- D. The number of animals in the group.

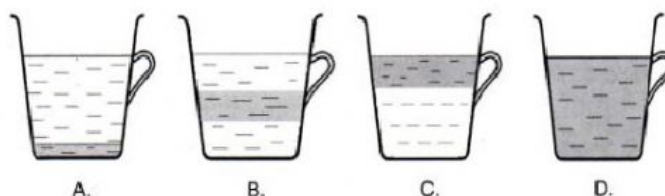
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8. The closed flask shown in figure below contains a compound Q in the solid, liquid and gaseous states. Which statement is correct?

- A. Gaseous Q particles move freely in all directions.
- B. Gaseous Q particles vibrate at fixed positions.
- C. Liquid Q particles move freely in all directions.
- D. Solid Q particles can move freely in the flask.


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9. A few drops of food colouring was placed at the bottom of a glass mug containing water. Which diagram shows the appearance of the glass mug after one day?


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10. Which of the following compounds contains three elements?

- A. Calcium carbonate, CaCO_3
- B. Nitrogen dioxide, NO_2
- C. Sodium chloride NaCl
- D. Water, H_2O

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11. Which of the following is true about boiling and evaporation of water?

	Evaporation	Boiling
A.	Takes place at all temperature	Takes place at all temperature
B.	Takes place at all temperature	Takes place at 100°C
C.	Takes place at room temperature only	Takes place at 100°C
D.	Takes place on hot days only	Takes place when water is heated all the time

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12. Which of the following is the solute in carbonated (fizzy) drinks?

- A. Carbon dioxide.
- B. Oxygen.
- C. Hydrogen.
- D. Nitrogen.

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13. Which of the following sequences is the simplest method used to obtain pure salt from a mixture of salt, iron filings and sand?

- A. Add mixture to water and stir → Filter the mixture → Evaporate the filtrate.
- B. Add water and stir → Evaporate the mixture.
- C. Add water and stir → Use a magnet to attract the iron filings → Evaporate the mixture.
- D. Use a magnet to remove the iron filings → Add water to the remaining mixture and stir → Filter the mixture → Evaporate the filtrate.

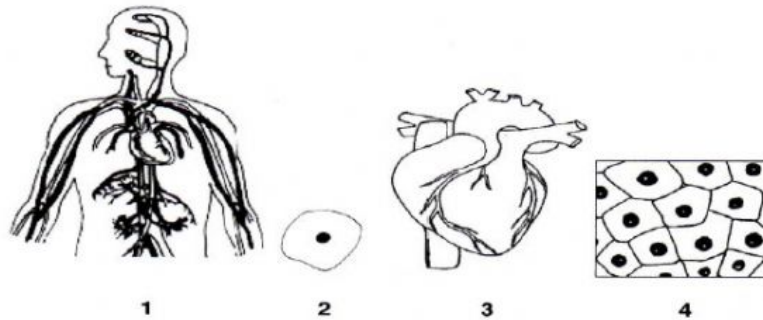
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14. Which of the function given for the plant cell structure is correct?

	Cell structure	Function
A.	Cell wall	Gives support and maintains shape of cell
B.	Chloroplast	Contains cell sap made of dissolved materials
C.	Nucleus	Controls materials moving in and out of cell
D.	Vacuole	Stores food made during photosynthesis

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15. Figure below shows the different levels of cell organization in a human but they are not in the correct order.



Which of the following correctly identifies the levels of cell organization in the figure?

	1	2	3	4
A.	organ	cell	system	tissue
B.	organ	tissue	system	cell
C.	system	cell	organ	tissue
D.	system	tissue	organ	cell

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16. An astronaut carried out an experiment on the surface of the moon by dropping a screwdriver and a piece of tissue paper from the same height and at the same place. it was observed that both objects reached the moon's surface at the same time. What is the explanation for this observation?

- A. There is no friction because the moon has no atmosphere.
- B. The screwdriver and tissue paper have the same weight in a vacuum.
- C. The screwdriver and tissue paper have the same mass on the moon.
- D. There is no gravity on the moon.

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17. One of the effects of forces is changing the direction of a moving object. Study the list below:

I	Change the shape of an object
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II	Change the speed of a moving object
III	Change the mass of an object
IV	Stop a moving object

Which items in the list are also the effects of forces on an object?

- A. I, II, III and IV
- B. I, II and III only
- C. I, II and IV only
- D. I and II only

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18. Figure below shows two identical blocks of wood, **P** and **Q**. Two sets of forces are applied to move the blocks of wood.



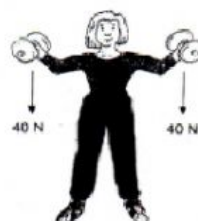
In which direction will **P** and **Q** move?

- A. Both **P** and **Q** will move to the right.
- B. **P** will move to the right while **Q** will move to the left.
- C. **P** will move to the right while **Q** will not move.
- D. **P** will not move while **Q** will move to the right.

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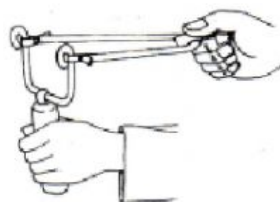
19. Fathin lifted two dumb bells 80 cm above the floor as shown in figure below. Calculate the work done by Fathin?

- A. 10 joules.
- B. 64 joules.
- C. 640 joules.
- D. 1280 joules.


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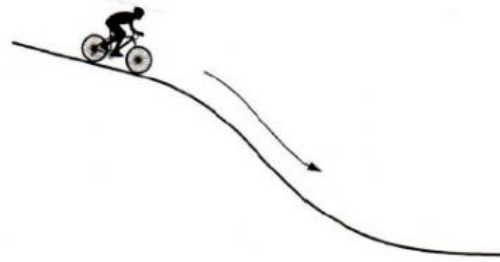
20. Figure below shows a student using a slingshot. Which form of energy is possessed by the rubber band before it is released?

- A. Chemical potential energy.
- B. Elastic potential energy.
- C. Gravitational potential energy.
- D. Kinetic energy.

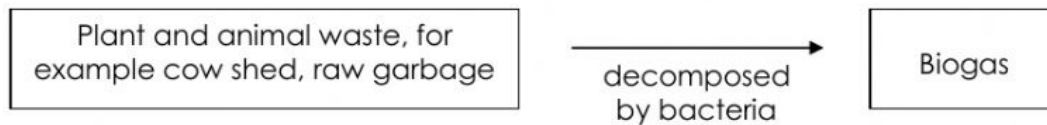

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21. A cyclist goes down a slope as shown in figure below. Describe the change in the potential energy and kinetic energy of the cyclist.

	Gravitational potential energy	Kinetic energy
A.	Decreases	Decreases
B.	Decreases	Increases
C.	Increases	Increases
D.	Increases	Decreases


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22. Study the information in figure below. What is the type of energy source shown in figure below?



- A. Biomass.
- B. Fossil.
- C. Geothermal
- D. Nuclear.

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23. Which of the following proves that a piece of metal is already a magnet?

- A. A magnet is attracted to it.
- B. Both ends of a compass needle are attracted to it.
- C. Copper wire is repelled by it.
- D. One end of a compass needle is repelled by it.

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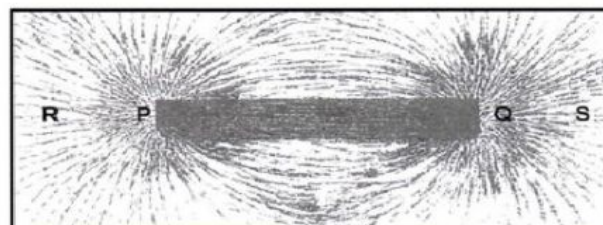
24. Siti Aniza found two bar magnets with no labels on them. She did three experiments as shown by figure below. The arrows show the movement of magnets. Which experiment(s) show(s) two unlike poles next to each other?

- A. Experiment 1.
- B. Experiment 2.
- C. Experiment 3.
- D. Experiment 1 and 2.


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25. A bar magnet is placed under a piece of paper. The magnetic field pattern formed by the iron filings are shown in figure below. Which areas show stronger magnetic field?

- A. P and R
- B. P and Q
- C. R and S
- D. Q and S


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