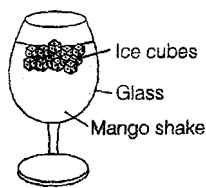




An Eye on Talent

Olympiad Aptitude Test Science- Grade V

1. Payal ordered a mango shake in a restaurant. The waiter served her the shake with some ice cubes on it as shown below.



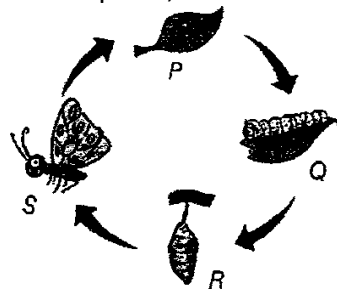
Which of the following options given in table below shows the correct transfer of heat mechanism?

	Mango shake	Glass	Ice cubes
(a)	Gains heat	Gains heat	Loses heat
(b)	Gains heat	Loses heat	Gains heat
(c)	Loses heat	Loses heat	Loses heat
(d)	Loses heat	Loses heat	Gains heat

2. Complete the given passage using suitable words given in options below: Ramu and Raghu are discussing about A. According to Ramu heat is a form of B to which Raghu says heat can be transferred from a C body to D body. Heat can be transferred using three methods these are conduction E and radiation. The unit of measurement of amount of heat transferred is F.

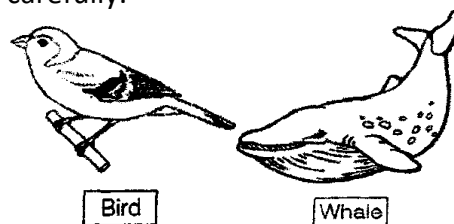
	A	B	C	D	E	F
(a)	Heat	Energy	Cold	Hot	Convection	Thermometer
(b)	Hotness	Energy	Hot	Cold	Temperature	Convection
(c)	Heat	Energy	Hot	Cold	Convection	Temperature
(d)	Coldness	Energy	Hot	Cold	Convection	Temperature

3. Choose the correct statement in context with the universe.
- The tiny celestial bodies found between the belt of Mars and Jupiter are called meteors
 - Meteors are also known as shooting stars
 - Asteroids are small stars found near the Earth
 - Asteroids revolve around the Jupiter in the form of ring
4. When a substance changes from liquid state to gaseous state, the molecules of the substance
- exhibit high molecular attraction
 - gain energy
 - lose energy
 - will possess same energy in both the states
5. The diagram given below depicts life cycle of a butterfly. Identify different stages of its life correctly and choose the correct option;



	P	Q	R	S
(a)	Egg	Larva	Pupa	Adult
(b)	Adult	Egg	Larva	Pupa
(c)	Pupa	Adult	Egg	Larva
(d)	Larva	Pupa	Adult	Egg

6. Identify the given diagram very carefully.



Which of the following statements is true about both the organisms?

- (a) Both breathe through lungs
- (b) Both lay eggs
- (c) Both have skin covered with scales
- (d) Both breathe through gills

7. Choose the correct Statement

- a. Cerebrum connects brain to the spinal cord
- b. Our heart and its muscles do not need any rest and they work non-stop throughout our life
- c. Cerebellum is the largest part of the brain
- d. All of the above

8. Mihika bought some lemon seeds. She put them in a pot, watered them and kept them in the refrigerator. After going out of station for a few days, she came back home. She checked her pot in the fridge. She found that-----

- a. her lemon plant had a shoot
- b. her lemon plant had lemons on it
- c. it had not grown at all as it had no warmth and sunlight
- d. it was just germinating

9. Match the following

	Column 1		Column II
A	Pluto	(i)	Brightest
B	Mars	(ii)	Largest planet
C	Jupiter	(iii)	Red planet
D	Venus	(iv)	Blue planet
E	Earth	(v)	Dwarf

Codes

- | | | | | | |
|-----|-------|-------|------|------|------|
| | A | B | C | D | E |
| (a) | (v) | (iii) | (ii) | (i) | (iv) |
| (b) | (iii) | (v) | (ii) | (i) | (iv) |
| (c) | (v) | (iii) | (i) | (ii) | (iv) |
| (d) | (iv) | (iii) | (ii) | (i) | (v) |

10. Choose the incorrect statement.

- I. An object floats on a liquid if its density is less than that of liquid.
- II. An object floats on a liquid if its density is more than that of liquid.
- III. Oil floats on water because its density is less than that of water.

Codes

- (a) Only I (b) Only II
- (c) Only III (d) All are correct

11. Which of the following practices is bad for the soil?

- a. Cultivating the soil
- b. Throwing animals manure in the soil
- c. Planting more trees
- d. Burying plastic in the soil

12. Which of the following is NOT a characteristic feature of birds?

- a. Presence of feathers
- b. Presence of hollow bones
- c. Presence of teeth
- d. Presence of wings

13. Which of these is a natural resource?

- (a) Coal (b) Plastic
- (c) Cloth (d) Brick

14. Which layer of soil is good to cultivate vegetables?

- (A) Bedrock (C) Topsoil
- (B) Subsoil (D) Sand
- (C)

15. Which of the following adaptations protect a stick insect from its enemies?

- (A) Hibernation
- (B) Having thick fur
- (C) Camouflage
- (D) By migrating