

Markhor Junior Contest ®

Learner Level (Class III & IV) Science 2014

There are 25 questions, and each question carries two marks.

1. Which of the following is an example of a consumer?

- A) Tree
- B) Grasshopper**
- C) Sunflower
- D) Algae



2. Which gas do plants release during photosynthesis?

- A) Carbon dioxide
- B) Oxygen**
- C) Nitrogen
- D) Helium

3. After fertilization, what does a seed develop into?

- A) Leaf
- B) New plant**
- C) Flower
- D) Stem



4. Why do birds have hollow bones?

- A) To store water
- B) To help them fly easily**
- C) To make nests
- D) To scare other animals

5. Which of these animals is nocturnal (active at night) in a forest?

- A) Owl**
- B) Cow
- C) Elephant
- D) Kangaroo



6. Which of these is a correct way to describe a food web?

- A) It shows only one path of energy
- B) It shows many interconnected paths of energy**
- C) It shows how rocks are made
- D) It shows the color of animals

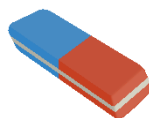
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7. Which state of matter spreads out to fill its container?

- A) Solid
- B) Liquid
- C) Gas**
- D) Ice

8. Which of these materials is soft and flexible?

- A) Stone
- B) Rubber**
- C) Steel
- D) Glass



9. Can mixtures be separated easily?

- A) Yes, because the substances are not chemically joined**
- B) No, because they are chemically joined
- C) Only if heated
- D) Only if frozen

10. Which of these changes is irreversible?

- A) Freezing water
- B) Melting ice
- C) Cooking rice**
- D) Condensing steam

11. Which direction does the Sun appear to set in?

- A) East
- B) West**
- C) North
- D) South

12. Why is water important for life?

- A) Animals and plants need it to survive
- B) It is used for cooking and drinking
- C) It helps in cleaning and farming
- D) All of the above**

13. Which process turns igneous or sedimentary rocks into metamorphic rocks?

- A) Cooling
- B) Heat and pressure**
- C) Erosion
- D) Freezing

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14. Which soil is poor in nutrients and does not hold water well?

- A) Clay soil
- B) Sandy soil**
- C) Loamy soil
- D) Silty soil

15. Solar energy comes from...

- A) Coal
- B) The Sun**
- C) Oil
- D) Wind



16. What is a cold front?

- A) When cold air pushes under warm air causing rain or storms**
- B) When warm air pushes under cold air
- C) A type of cloud
- D) A type of wind

17. Which of these can result from a flood?

- A) Damage to homes and roads
- B) Contaminated water
- C) Loss of crops
- D) All of the above**

18. What are asteroids?

- A) Small rocky objects that orbit the Sun, mostly between Mars and Jupiter**
- B) Small moons of Earth
- C) Satellites we send to space
- D) Comets only

19. Which of these would happen if there were no gravity on Earth?

- A) We would float into the sky**
- B) Water would stay in rivers
- C) Clouds would stay in the sky
- D) Plants would grow normally

20. Constellations help people...

- A) Find directions and tell stories**
- B) Make food
- C) Measure weight
- D) Cook meals

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21. Muscles work in pairs because...

- A) They make bones stronger
- B) One muscle contract while the other relaxes to move a body part**
- C) They store energy
- D) They protect the skeleton

22. What is the main artery that carries blood from the heart to the body?

- A) Pulmonary artery
- B) Aorta**
- C) Vein
- D) Capillary

23. What are the smaller tubes that branch from the trachea into the lungs?

- A) Bronchi**
- B) Arteries
- C) Veins
- D) Capillaries

24. Which of these foods is high in vitamins?

- A) Fruits and vegetables**
- B) Candy
- C) Soda
- D) Chips



25. Which of these reduces friction?

- A) Sandpaper
- B) Ice**
- C) Rough Road
- D) Carpet