

G6 Science Leader Challenge

1. Which of the following can reproduce by laying eggs?
 - A. Elephants
 - B. Frogs
 - C. Cows
 - D. Dogs
2. What will happen if a person eats more calories than his body requires?
 - A. He will lose weight
 - B. His body will use stored fats for energy
 - C. The extra energy will be converted into fats
 - D. This will lower the risk for cancer and other chronic health problems
3. Which of the following objects is flexible?
 - A. Ring
 - B. Rubber tube
 - C. Magnifying glass
 - D. Torchlight
4. Which best describes how scientists classify rocks?
 - A. Based on their shape
 - B. Based on where they are found
 - C. Based on the ways they are formed
 - D. All of the above
5. Somsak's dinner: rice, scrambled eggs, fried chicken, cheesecake. His diet is not healthy. What food should he add?
 - A. Some bread
 - B. Some noodles
 - C. Some dairy products
 - D. Some vegetables and fruits
6. Mali has a mixture of fine sand and small stones. What technique can she use to separate the fine sand from the stones?
 - A. Filtration
 - B. Magnet attraction
 - C. Sifting
 - D. Decantation

7. Which type of rock has no fossils?

- A. Sediment
- B. Mudstone
- C. Igneous rock
- D. Sedimentary rock

8. A horse can run with its legs.

This shows that living things...

- A. can grow
- B. can reproduce
- C. can excrete
- D. can move on their own

9. The _____ of a material is the ability of the material to support a heavy weight without breaking.

- A. Buoyancy
- B. Hardness
- C. Strength
- D. Flexibility

10. Which of the following shows the flow of food particles in the digestive system correctly?

- A. Mouth → Esophagus → Stomach → Large intestine → Small intestine → Anus
- B. Mouth → Esophagus → Stomach → Small intestine → Large intestine → Anus
- C. Mouth → Stomach → Esophagus → Small intestine → Large intestine → Anus
- D. Mouth → Esophagus → Stomach → Anus → Small intestine → Large intestine

11. We can use a _____ to separate a mixture of sand and salt solution.

- A. Sieve
- B. Magnet
- C. Alum
- D. Filter paper

12. Milk is a rich source of nutrient X. Growing children, teenagers, and expecting mothers need more of nutrient X. What is nutrient X?

- A. Carbohydrate
- B. Protein
- C. Fat
- D. Vitamin

13. The number of fish in a pond increases after a year. Which of the following can best explain this situation?

- A. Fish can move around
- B. Fish produce more offspring
- C. Other living things move into the pond
- D. All the fish are alive after a year

14. Which of the following is a mixture?

- A. Sand
- B. Iron
- C. Gold
- D. Salt water

15. What are rocks made up of?

- A. Wood
- B. Seeds
- C. Minerals
- D. Living organisms

16. What technique can be used to separate cherry tomatoes from nuts?

- A. Filtration
- B. Precipitation
- C. Handpicking
- D. Decantation