

Grade 9 Review Questions

Instruction: Each question has four possible answers- A, B, C and D. Choose the best answer to each question.

1. Which is **NOT** an example of kinetic energy?

- A. Turning a windmill
- B. A stretched rubber band
- C. A spiral spring
- D. Water behind a dam

2. Which simple machine makes up a pair of scissors?



- A. First class lever only
- B. First class lever and wedge
- C. Second class lever and wedge
- D. Wedge only

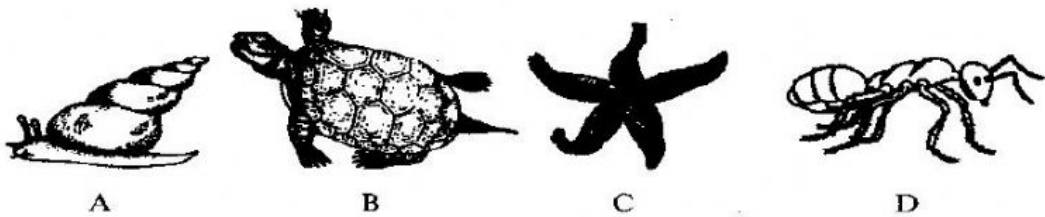
3. What happens when the temperature of water is 0°C . It becomes a:

- A. gas
- B. liquid
- C. plasma
- D. solid

4. Which form of energy is always produced by friction?

- A. Heat
- B. Light
- C. Magnetism
- D. Light

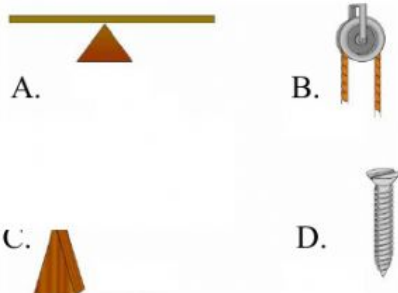
5. Which animal is an arthropod?



6. Which surface would provide the least friction when walking?

- A. wood
- B. cement
- C. ice
- D. sand

7. Which of the following is an example of a pulley?



8. What does this instrument measure?



- A. Length
- B. Density
- C. Mass
- D. Weight

9. Which apparatus is used to separate dirt particles from dirty water so that the water becomes clear?

- A. Measuring cylinder
- B. Bunsen burner
- C. Filter Funnel
- D. Thermometer

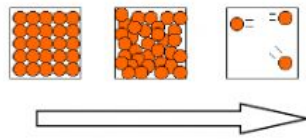
10. Amy raises 2N flag. The work she did was 6 Nm. How high did Amy raise the flag?

- A. 4 m
- B. 8 m
- C. 12 m
- D. 3 m

11. The study of all living things is called:

- A. Botany
- B. Biology
- C. Chemistry
- D. Physics

12. What is causing the change of state in the diagrams:

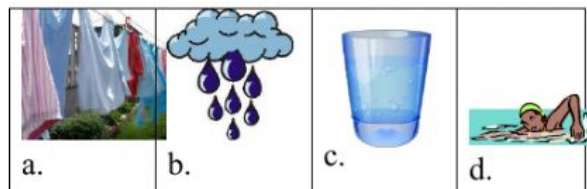


- A. Adding heat
- B. Adding water
- C. Removing liquid
- D. Removing steam

13. A force that oppose motion between two rubbing surface is :

- A. Air pressure
- B. Friction
- C. Gravity
- D. Tension

14. Which picture shows evaporation in action:



15. Mary dissolves sugar granules in a beaker of hot water. What is the sugar in this solution called?

- A. Element
- B. Compound
- C. Solute
- D. Solvent

16. Which statement is TRUE about metals?

- A. Metals have high melting points.
- B. Metals cannot be drawn into wire
- C. Metals are dull surface
- D. Metals do not conduct heat

17. How many states can matter exist in:

- A. One
- B. Two
- C. Three
- D. Five

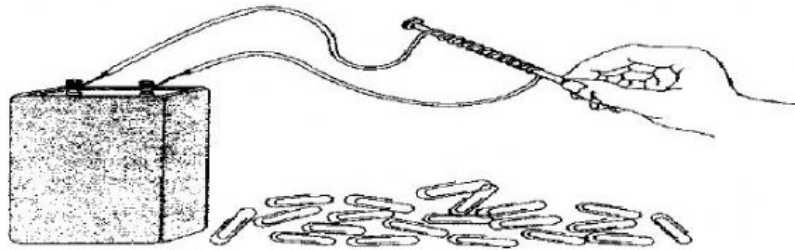
18. Which of these is the symbol for copper, nitrogen and potassium?

	copper	nitrogen	potassium
A.	C	N	K
B.	C	Ni	P
C.	Cu	N	K
D.	Cu	Ni	P

19. The smallest particle of an element is a / an:

- A. Atom
- B. Molecules
- C. Ion
- D. Electron

20. What happens to the nail once the ends of the wire are connected to the battery?



- A. It became demagnetized
- B. It became an electromagnet
- C. It becomes negatively charged
- D. It becomes a permanent magnet