

Name _____

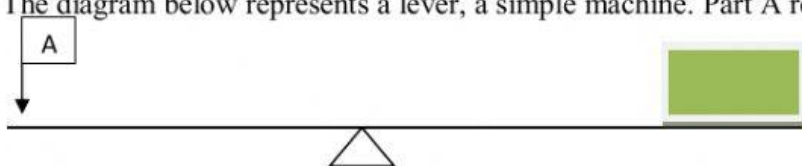
Date: _____

A. Choose the best answer for each of the following statement. (1 mark each)

Which of these substances can exist at all three states of matter?

- a. a rock b. water c. grass

2. The diagram below represents a lever, a simple machine. Part A represents _____



- a. gravity b. effort c. weight

3. A flat slanted surface that makes it easier to move an object up a distance is _____

- a. an inclined plane b. a screw c. a wedge

4. In a first class lever (like a see-saw) the movement of the effort is _____

- a. Opposite to the direction of the load
b. In the same direction as the load
c. Independent of the direction of the load

5. Which of these is **NOT** an example of a reversible change



a) burning paper



b) water boiling



c) freezing water

6. Leondre is kicking a ball. He is using ____ energy.
a. Heat b. sound c. kinethic

7. In the picture below which force is being used?



- a. pull b. push c. lift

8. Thermal energy produces

- a. movement b. heat light

B. Fill in the blank to complete the following statements (2 marks each)

9. Matter exists in three states: solid, _____ and _____ (2 marks).

10. The light bulb produces ____ and ____ energy (2 marks)



11. Label the parts of the diagram below: (3 marks)



C. True and False (1 mark each)

12. A flag pole is an example of a wheel and axle. _____
13. A compound machine is made up of two or more simple machines working together to make work easier. _____
14. Condensation occurs when a liquid is changed into a solid. _____
15. A sloping uniform object used to raise objects is called an incline plane. _____
16. Sound is a form of energy. _____

D. Complete the following.

17. When you throw a ball, Earth's _____ makes it fall toward ground.

18. Forces have different effects on objects. They cause objects to _____ and _____.

19. A car uses _____ energy which is stored in its fuel.



20. A push and a pull is an example of a _____