

Name \_\_\_\_\_

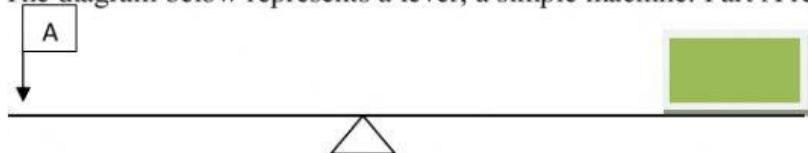
Date: \_\_\_\_\_

**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. kinetic

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



a. pull              b. push              c. lift

8. Thermal energy produces

a. movement              b. heat              c. 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 \_\_\_\_\_