

Name : \_\_\_\_\_ Class : \_\_\_\_\_

#### ***9.4 Relationship between types of surface of object, and heat absorption and emission***

- The ability of an object to absorb and radiate heat depends on the \_\_\_\_\_ and \_\_\_\_\_ of its surface.
- When an object absorbs heat, its temperature \_\_\_\_\_.
- However, when object radiates heat, its temperature decreases

1. \_\_\_\_\_ and dull objects:

- a) Absorbs heat better than white, shiny objects
- b) Give out (transmit) heat better than white shiny objects

2. White and \_\_\_\_\_ objects:

- a) Poor absorber and poor radiator of heat
- b) Reflects heat better than dark and dull object