

Hardness



Compare the hardness of a metal spoon, cotton, clear glass, sponge, and clay. Arrange the materials from hardest to softest.

Solubility



Fill the two cups with 100mL of tap water and label them as cup A and cup B.



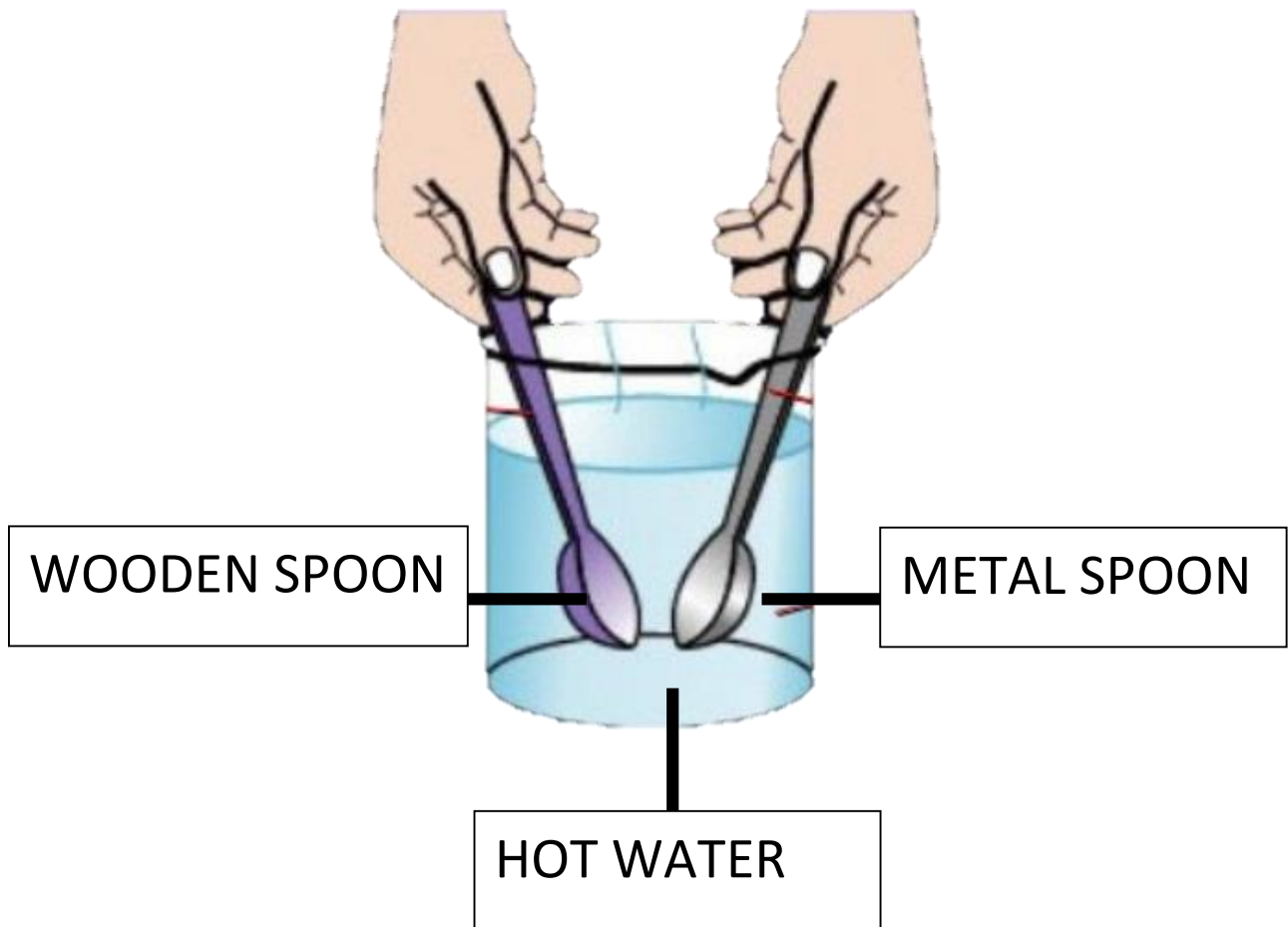
Add a spoonful of sugar to cup A and spoonful of oil to cup B. Stir the substance for 30 seconds and observe.

Transparency



Compare the transparency of clear glass, wooden spatula, and clay.

Conductivity



Infer: If you place the metal spoon and wooden spatula in a pot with boiling water, which object will absorb more heat in a shorter period?

Response to magnets



Compare the response to magnets of clay, paper clip, and sponge.