# Bukit View Secondary School

## Lower Secondary Science

### Worksheet – Physical Properties

Name:_____( ) Class:Sec 1T__ Date: _____/2002

1. Which is the correct description for "hardness"?

   A the ability to withstand scratching

   B the ability to withstand hitting without breaking

   C the properties of toughness and strength

   D the resistance of a substance to being compressed or stretched ( )

2. The physical property of rubber bands is _____.

   A hardness B strength

   C elasticity D high density ( )

3. Substance P scratches substance Q but is scratched by substance R. Which of the following statements is **true** about P, Q and R?

   A P is harder than Q and Q is harder than R.

   B Q is harder than P and P is harder than R.

   C R is harder than Q and Q is harder than P.

   D R is harder than P and P is harder than Q. ( )

4. A diamond can only be cut by another diamond because it is the _____ substance.

   A strongest B hardest

   C smoothest D most flexible ( )

5. Copper is used to make electrical wires because it _____.

   A is shiny B can be stretched and return to its original shape

   C is ductile D has high heat conductivity ( )

6. The physical property required for making the heating elements of electrical appliances is _____.

   A high electrical conductivity B high melting point

   C strength D low density ( )

7. Helium is used in weather balloons because of its _____.

A colour B low density

C insolubility D having no smell ( )

8. Tungsten is used in bulbs because tungsten _____.

A is strong B has a high melting point

C has a low melting point D is flexible ( )

9. Metals are used in wires because they are _____.

A poor thermal conductors B good electrical conductors

C good thermal conductors D brittle ( )

10. Plastics are used to make pot handles because plastics are _____.

A poor thermal conductors B good electrical conductors

C good thermal conductors D brittle ( )