

## DIAGNOSTIC MINERAL PROPERTIES ASSESSMENT

NAME.....

*Remember you must:*

1. **PLAN** your testing such that you cover the following **DIAGNOSTIC** tests **ONLY ONCE**

**CLEAVAGE, FRACTURE, HARDNESS, DENSITY, STREAK, LUSTRE, COLOUR, TASTE, REACTION TO COLD DILUTE HCL**

2. **RECORD** you data in an appropriate scientific manner (using the grid or make something up yourself)

Mineral	Name of <b>diagnostic</b> test /observation	Description of test/observation	Prediction of test/observation
1. QUARTZ			
2. ORTHOCLASE FELDSPAR			
3. MUSCOVITE MICA			

4. GARNET			
5. CALCITE			
6. GALENA			
7. PYRITE			
8. HALITE			
9. OLIVINE			

Suggested appropriate answers

Quartz – Fracture

Orthoclase – Cleavage

Muscovite – Lustre

Garnet – Hardness

Calcite – HCL

Galena - Density

Pyrite – Streak

Halite – Taste

Olivine - Colour