

Student Assignment sheet

Using data from your Mineral Data sheet (standard WJEC issue for use with exams)

A. For EACH of the following minerals

1. QUARTZ
2. ORTHOCLASE FELDSPAR
3. MUSCOVITE MICA
4. GARNET
5. CALCITE
6. GALENA
7. PYRITE
8. HALITE
9. OLIVINE

- (a) Name a **diagnostic** test/observation
- (b) **Describe** the test/observation
- (c) **Predict** the result of the test/observation

You must

1. **PLAN** your testing such that you cover the following tests **ONLY ONCE**
CLEAVAGE
FRACTURE
HARDNESS
DENSITY
STREAK
LUSTRE
COLOUR
TASTE (this should be discouraged in practice)
REACTION TO COLD DILUTE HCL

2. **RECORD** you data in an appropriate scientific manner (using grid attached)

B. Optional extension: With your partner produce a PowerPoint presentation to show the important characteristics of any chosen mineral.