

Earth Science Regents Review Workbook

Part 9: Lab Practical

Station 1: Minerals and Rocks Identification

Part 1: Minerals

Review: Define the following terms.





1. Luster: Reflectiveness of Surface; Shininess; Metallic or Non-metallic
2. Metallic: Looks like metal (Silver or Gold)
3. Non-metallic: Does not look like metal (Dull, Glassy, Earthy, etc.)
4. Streak: Color of powdered form (Scratched against porcelain plate)
5. Hardness: Ability to scratch other materials
6. Scratch test: Tests hardness (Scratch Glass=Hard, Doesn't Scratch=Soft)
7. Cleavage: Breakage along flat planes and/or right angles
8. Fracture: Breaks unevenly/randomly

Directions: The physical properties of an unknown mineral have been recorded below. Using these properties and the flow chart on the next page, determine the letter that represents each mineral.

1. Cleavage, colorless streak, does not scratch glass, non-metallic: O
2. Fracture, white streak, scratches glass, non-metallic: E
3. Cleavage, colorless streak, scratches glass, non-metallic: M
4. Fracture, black streak, scratches glass, metallic: B

Part 9: Lab Practical

Directions: Determine the type of rock based on the picture provided. Describe the key feature that helped you identify the rock type.

Picture	Rock Type	Key Feature
	Igneous	Glassy
	Metamorphic	Banding
	Sedimentary	Cemented Particles
	Sedimentary	Fossils