

MINERAL NOTES /67

NAME _____

1) Minerals

- 1] _____
- 2] _____
- 3] _____
- 4] _____
- 5] _____

a) crystal- _____

types of crystals:

- | | | |
|----------|----------|----------|
| 1] _____ | 3] _____ | 5] _____ |
| 2] _____ | 4] _____ | 6] _____ |

b) Gem – _____

c) Identification tests

1) Luster— _____

(a) Metallic— _____

(b) Submetallic-- _____

(c) Non-metallic— _____

- Transparent- _____
- Translucent- _____
- Opaque- _____

Types of non-metallic lusters:

- | | | |
|----------|----------|----------|
| 1] _____ | 3] _____ | 5] _____ |
| 2] _____ | 4] _____ | 6] _____ |

2) Color— _____

3) Streak— _____

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4) **Hardness**— _____

(a) **Moh's scale-** _____

(b) Common scratch test tools

1

2

3

4

5

5) Breakage pattern

(a) **cleavage**— _____

(b) **fracture**— _____

6) **density**— _____

7) **effervescence**— _____

8) **magnetism**— _____

9) **taste**— _____

10) **smell**— _____

d) Mineral formation

1) Magma-- _____

2) Hydrothermal solutions _____

3) pressure and temperature— _____

4) Precipitation/ evaporation-- _____

(a) **Geodes**— _____

(b) **Agates**— _____

(c) **Stalactites-** _____

(d) **Stalagmites-** _____

(e) **Column-** _____

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e) Mineral groups

- 1) Silicates _____
- 2) Carbonates _____
- 3) Oxides _____
- 4) Sulfates _____
- 5) Sulfides _____
- 6) Halides _____
- 7) Native elements _____
- 8) Phospates _____

f) Mineral mining-- _____

- 1) Surface mining- _____
 - (a) _____
 - (b) _____
- 2) Subsurface mining- _____

- _____ - the tiniest piece of an element
- _____ - a large collection of the same type of atom
- _____ - - two or more atoms (elements) joined together