

MINERAL LAB ACTIVITY

**Do not write
on the test.**

**Any marks you make PLEASE
erase. You have one lab period
to complete the hands-on
portion of the test. The next
day is the written version**

Version A

1. What is the color of SAMPLE # 1?
A. Metallic B. Brassy C. Gold D. Silver
2. What is the Hardness of SAMPLE # 1?
A. 3.0 – 4.0 B. 5.0 – 6.0 C. 6.0 – 6.5 D. 6.5 – 7.0
3. According to your gathered data; what is the mineral name for SAMPLE # 1?
A. Calcite B. Talc C. Bauxite D. Pyrite
4. What is the luster of SAMPLE # 2?
A. Non – metallic B. Metallic
5. Does SAMPLE # 2 stick to a magnet?
A. YES B. NO
6. What is the hardness of SAMPLE # 2?
A. 5.0 B. 4.0 C. 3.5 D. 2.5 - 3.0
7. What is the luster of SAMPLE # 3?
A. Non – metallic B. Metallic
8. Does SAMPLE # 3 cut glass?
A. YES B. NO
9. What is one of the usage of this mineral? SAMPLE # 3 is ____
A. Used in Jewelry
B. Ore of Aluminum
C. Used in Optical equipment
D. Used in Cooking
10. SAMPLE # 4 is metallic.
A. TRUE B. FALSE
11. What is the hardness of Sample # 4?
A. 3.0 B. 5.0 C. 6.0 D. 7.0
12. Does SAMPLE # 4 react with acid?
A. YES B. NO
13. According to your gathered data; what is the mineral name for SAMPLE # 4?
A. Quartz (milky) B. Talc C. Bauxite D. Quartz (Rose)

14. What is the luster of SAMPLE # 5?
A. Non – metallic B. Metallic
15. Does SAMPLE # 5 stick to a magnet?
A. YES B. NO
16. What is the streak of SAMPLE # 5?
A. Yellow B. Gray-Black C. Reddish – Brown D. Colorless
17. What is the unique way to identify SAMPLE # 5?
A. Heft – heavy for how small it is B. the breakage C. Distinct color.
18. What is the streak of SAMPLE # 6?
A. Yellow B. White C. Black D. Red – Brown
19. What is the texture of SAMPLE # 6?
A. Glassy B. Waxy C. Metal D. None of the above
20. What is the name for Sample # 6? HINT: Used in cosmetics and baby powder.
A. Sulfur B. Magnetite C. Talc D. Fluorite
21. What is the luster for SAMPLE # 7
A. Non – metallic B. Metallic
22. What is the color of SAMPLE # 7?
A. Metallic B. Yellow C. Gold D. Clear
23. Sample # 7 what is the mineral?
A. Talc B. Sulfur C. Feldspar D. Satin Spar (Gypsum)
24. What is the luster for SAMPLE # 8?
A. Non – metallic B. Metallic
25. What is the streak of SAMPLE # 8?
A. Yellow B. White C. Black D. Red – Brown
26. Does SAMPLE # 8 stick to a magnet?
A. YES B. NO
27. According to your gathered data; what is the mineral name for SAMPLE # 8?
A. Quartz (milky) B. Hematite C. Sulfur D. Pyrite

28. What is the luster of SAMPLE # 9?
A. Non – metallic B. Metallic
29. What is the color of SAMPLE # 9?
A. Metallic B. Yellow C. White D. Pink/Red
30. What is the hardness of SAMPLE # 9?
A. 2.5 B. 4.0 C. 6.0 D. 10.5
31. Does SAMPLE # 9 react with HCl?
A. YES B. NO
32. What is the luster for SAMPLE # 10?
A. Non – metallic B. Metallic
33. What kind of break is SAMPLE # 10?
A. Cleavage B. Fracture
34. According to your gathered data; what is the mineral name for SAMPLE # 10?
A. Mica B. Hematite C. Sulfur D. Gypsum
35. What is the luster for SAMPLE # 11?
A. Non – metallic B. Metallic
36. Does SAMPLE # 11 stick to a magnet?
A. YES B. NO
37. What is the streak of SAMPLE # 11?
A. Yellow B. White C. Black D. Reddish – Brown
38. What is the name for SAMPLE # 11?
A. Hematite B. Copper C. Magnetite D. Galena
39. What is the luster for SAMPLE # 12?
A. Non – metallic B. Metallic
40. What is the hardness of SAMPLE # 12?
A. 2.5 B. 3.0 C. 5.0 D. 4.0
41. Does SAMPLE # 12 react with acid?
A. YES B. NO
42. If SAMPLE # 12 reacts, then what do you call this effect on the sample?
A. Effervescence B. Snap – Crackle – Pop C. Explode D. Nothing
43. What is the name for SAMPLE # 12?
A. Hematite B. Copper C. Calcite D. Talc

List the five characteristic of a mineral

44. Which IS a characteristic of a mineral?

A. Natural Occurring

B. Man made

45. Which IS a characteristic of a mineral?

A. Organic

B. Inorganic

46. Which IS a characteristic of a mineral?

A. Liquid

B. Gas

C. Solid

47. Which IS a characteristic of a mineral?

A. Definite
shape

B. Definite
volume only

C. Definite gas
only

48. Which IS a characteristic of a mineral?

A. Crystalline
structure

B. Organic
structure

C. Molten
structure

49. A _____ is a solid in which the atoms are arranged in repeating patterns?

A. Mineral

B. Rock

C. Isomorphs

D. Crystal

50. Define a mineral ON the back of this scan tron.