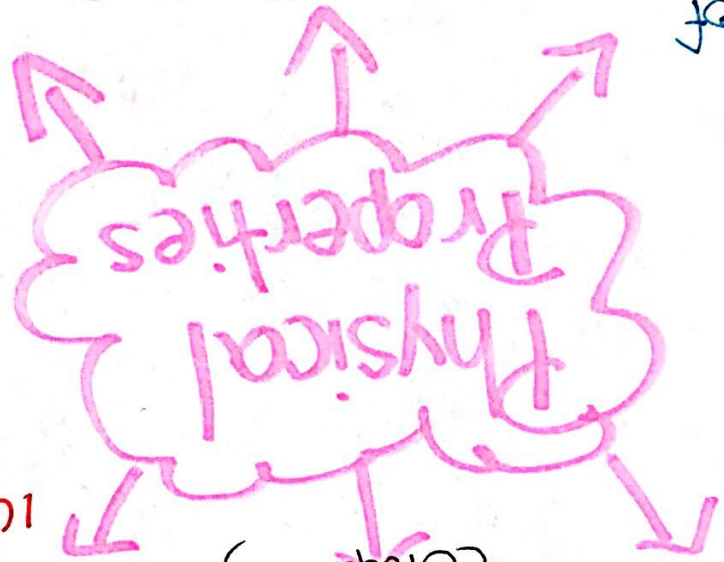


# Minerals

\* Naturally occurring / non-living / repeating structure  
Example: Pyrite (fools gold)



Pyrite ND cleavage  
plane

\* the way a mineral breaks along an internal plane

## Cleavage

Fracture  
\* Breaking in a random pattern with no smooth plane surface

- Pearly luster  
Pyrite: Metallic luster

- Metallic luster (shiny)  
- Earthy luster (Dull)  
- Waxy luster (translucent but dull)

Luster  
\* The reflection of light

Streak  
\* the color of the mark (graphite)  
Charcoal Gray

Color  
- Gold  
- Dark Gray  
- Dark brownish  
- Blackish

Hardness  
\* how a mineral resists being scratched  
\* Moh's Scale  
1 softest: talc  
10 hardest: Diamond  
Fingernail 2.5  
Pyrite: 6-6.5