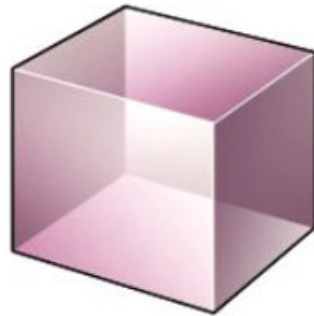


# Appendix 3:

# TEACHING AIDS

# WITH GEOMETRIC FORMS DESCRIBE THE MINERAL SHAPE!



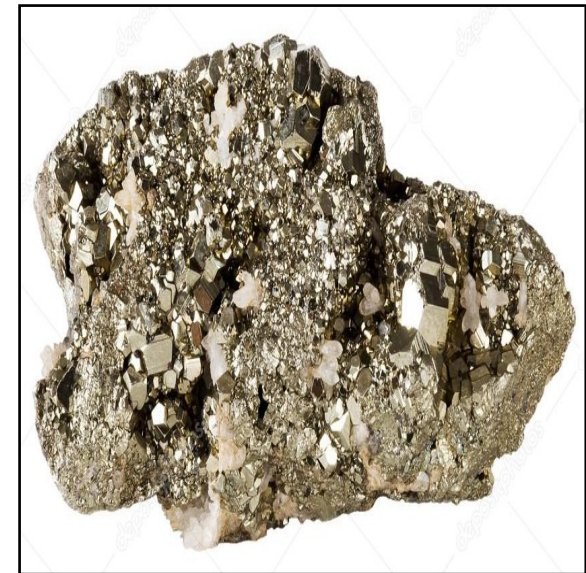
# WHAT LUSTRE HAS MINERAL?



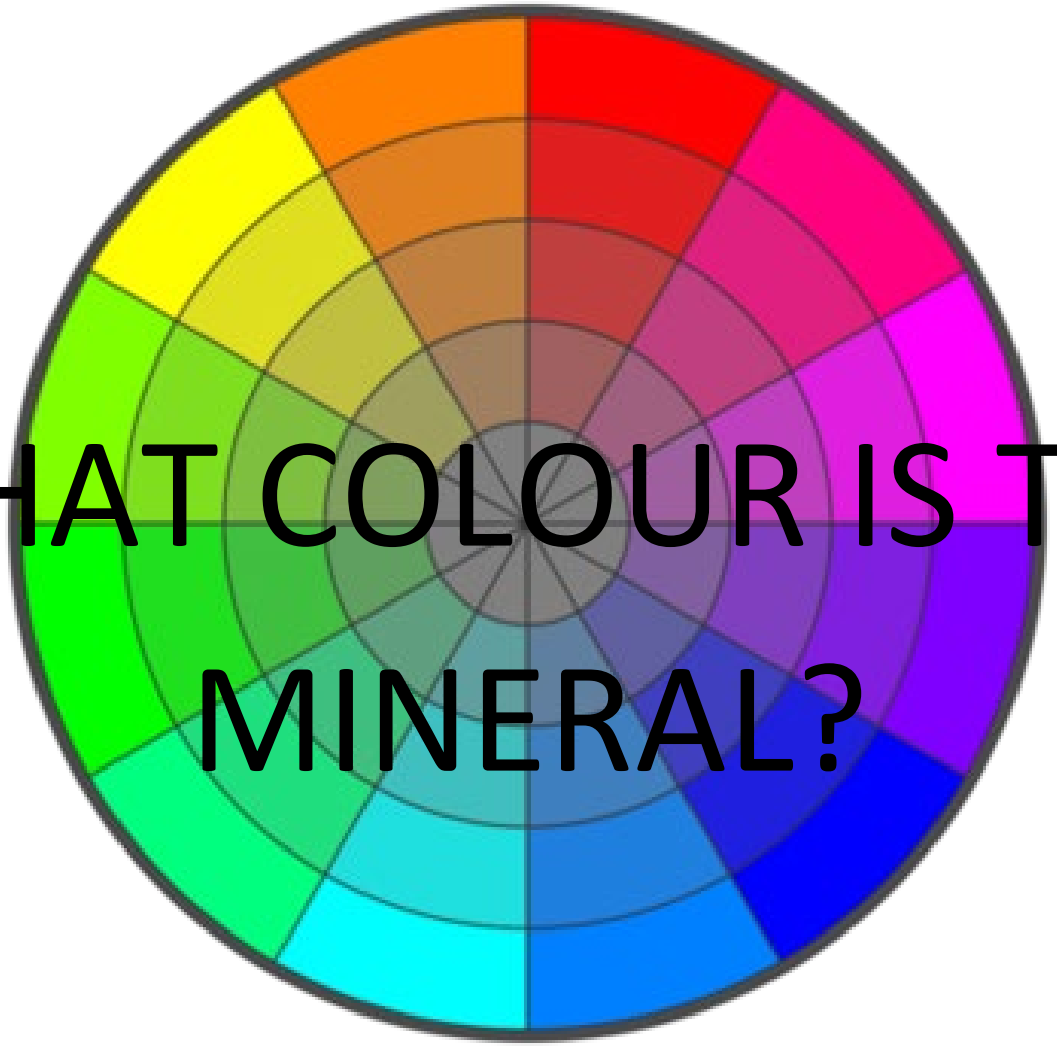
NON-METALLIC



SEMI-METALLIC



METALLIC



WHAT COLOUR IS THE  
MINERAL?

# WHAT COLOUR IS STREAK OF MINERAL?



# DESCRIBE MINERAL TRANSPARANCY?



TRANSPARENT



TRANSLUCENT



OPAQUE

# IS MINERAL CLEAVAGE VISIBLE?




YES



NO

# MEASURE MINERAL HARDNESS!

| MOHSONA HARDNESS SCALE |                   | HARDNES OF COMMON EVERY DAY OBJECTS |  |
|------------------------|-------------------|-------------------------------------|--|
| MINERAL                | RELATIVE HARDNESS |                                     |  |
| DIAMOND                | 10                | Hardest mineral                     |  |
| CORUNDUM               | 9                 | Cut glass                           |  |
| TOPAZ                  | 8                 | Cut glass                           |  |
| QUARTZ                 | 7                 | Cut glass                           |  |
| ORTOKLAZE              | 6                 | Cut glass                           |  |
| APATITE                | 5                 | Pocket knife leaves scratch         |  |
| FLUORITE               | 4                 | Nail leaves scratch                 |  |
| CALCITE                | 3                 | Copper coin leaves scratch          |  |
| GYPSUM                 | 2                 | Fingernail leaves scratch           |  |
| TALC                   | 1                 | Fingernail leaves scratch           |  |



# MESURE AND CALCULATE THE SPECIFIC GRAVITY!

$$G = \frac{(weight\ in\ air)}{(weight\ in\ air - weight\ in\ water)}$$

# IS MINERAL MAGNETIC?



# DOES MINERAL REACT WITH ACID (HCl)?



DESCRIBE SENSORY PROPERTIES  
YOU FEEL!  
(smell, taste, feel)

