

## **Student Worksheets**

### **How to Use**

Use the posted study guides to find information for specific rocks and minerals.

At first, have the students copy information onto the worksheets.

As they become more familiar with the information, ask them to fill in specific information from memory.

Not everything will be appropriate to memorize. That information should be put on the reference sheet that students bring to the tournament.

For example, densities, Moh's hardness numbers that are not on the index, etc., should be on the reference sheet.

## IGNEOUS ROCKS

Answer

**Name**

**Color**

**Mineral  
Composition**

**Felsic or  
Andesitic or Mafic**

**Extrusive or  
Intrusive**

**Texture**

**Environment of  
Formation**

**Uses**

**Other**  
e.g, Special Properties,  
interesting facts

# SEDIMENTARY WORKSHEET

Answer

**Name**

**Color**

**Clastic or Bioclastic  
or Chemical or  
Biochemical**

**Mineral  
Composition**

**Grain Size**

**Grain Sorting**

**Grain Shape**

**Type of Cement**

**Fissile or  
Nonfissile**

**Environment of  
Formation**

**Uses**

**Other**  
e.g, Special Properties,  
interesting facts

## METAMORPHIC WORKSHEET

Answer

**Name**

**Color**

**Parent**

**Mineral  
Composition**

**Foliated or  
Nonfoliated**

**Type of  
Metamorphism**

**Environment of  
Formation**

**Metamorphic  
Facies**

**Index Minerals**

**Uses**

**Other**  
e.g, Special Properties,  
interesting facts

# MINERAL WORKSHEET

Answer

**Name**

**Chemical  
Classification**

**Color**

**Streak**

**Luster**

**Hardness**

**Density**

**Crystal Habit**

**Cleavage**

**Fracture**

**Uses**

**Other**  
e.g, Special Properties,  
interesting facts