

# Earth Science Grade 4 Lab Practical

## Teacher's Answer Key

**This is your chance to see how well your students have picked up on important key concepts, and if there are any holes. Your students also will be working on their homework assignment as you do this test individually with the students.**

### Materials

- Coin
- Steel nail
- Plate glass
- Ceramic Tile (2)
- Handheld magnifier
- Scale
- Graduated cylinder or Pyrex glass 4-cup measuring cup
- Calculator
- Longwave UV light
- Shoebox
- Razor
- Tape
- Small bottle of acetic acid or distilled vinegar
- Disposable pie pan
- Disposable gloves
- Goggles

### Rock Samples

- Talc
- Quartz
- Apatite
- Calcite
- Pyrite
- Hematite (red)
- Hematite (gray)
- Jasper
- Pumice
- Fluorescent minerals (3)
- Limestone
- Coquina
- Sandstone
- Optional: Meteorites (stony, iron)
- Optional: Tektite
- Optional: Magnet

**Lab Practical:** Each student will need a complete copy of their evaluation packet so they can move from station to station and answer the questions. Set up the stations ahead of time and run through them once to be sure everything is set up correctly. (You'll need to put together the fluorescent box, for example.)

If you don't have certain rock specimens, feel free to substitute with what you have. The rocks in this packet reuse the materials from the accompanying experiments in the main part of the program.