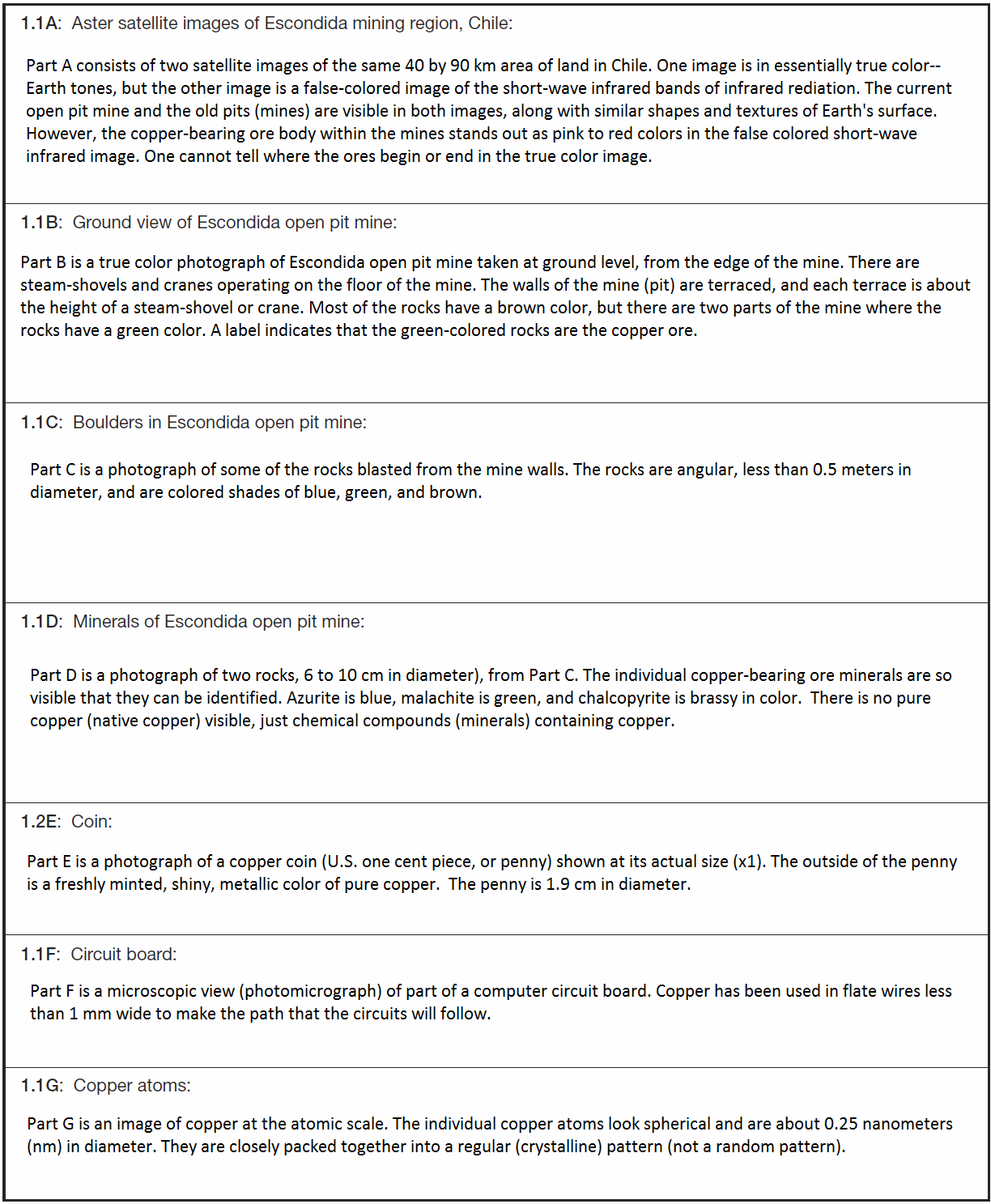
**LAB 1 ANSWER KEY**

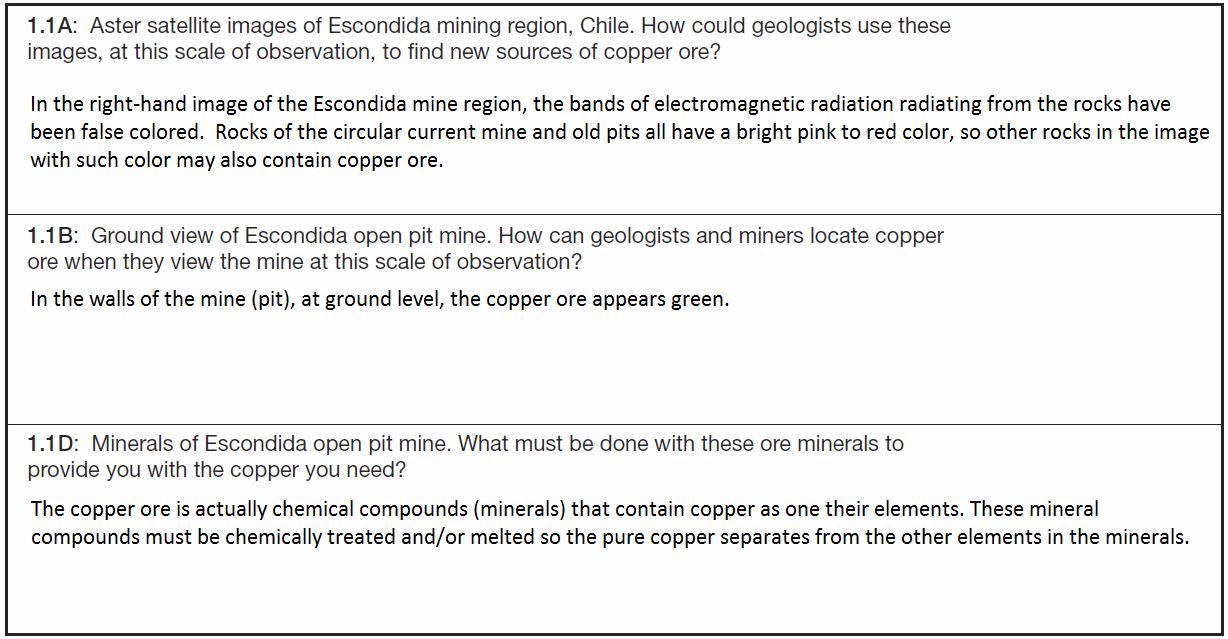
## ACTIVITY 1.1: Geologic Inquiry

**1.1A.** Observation, analysis, and description of the parts of Figure 1.1



**1.1B.** Every part of Figure 1.1 shows objects that contain copper (Cu).

**1.1C.** Analyze Figure 1.1 and answer the following questions.



**1.1D. 1.** The best location for a new mine (pit) is location C, because the rocks there have the same pink-red color in the false-colored satellite image as the rocks of the current and old copper mine pits.

**1.1D. 2.** To see if location C is actually a good source for more copper ore, one must go there to collect samples of the rock and determine if it contains copper-bearing minerals in profitable quantities to be mined.

## ACTIVITY 1.2: Spheres of Matter, Energy, and Change

**1.2A.**



**1.2B. answer sheet**

