

## **Concept Attainment Quiz Answer Key**

### **I. Vocabulary Matching**

Magnetic field

Atmosphere

Water

Distance from the Sun

### **II. Identification**

1. Ozone layer
2. Nitrogen and oxygen
3. Water and ice

### **III. Open-Ended Response**

1. Mercury cannot support life as we know it on Earth. Because Mercury is too close to the Sun, the heat would kill any living organisms and prevent water from forming. Mercury also has no atmosphere, so even if something could survive the heat, it would have nothing to breathe.

2. The distance from the Sun helps support life by providing Earth with just the right amount of warmth and light. Ultraviolet radiation comes from the Sun also, and the ozone layer provides some protection from the harmful effects. Solar winds can also carry harmful particles toward Earth, but Earth's magnetic field deflects these particles.