

Name:

Date:

Class:

Week 1 Questions

1. Most algae is best described as:
 - a. Chemolithotrophic, eukaryotic microorganisms.
 - b. Chemolithotrophic, prokaryotic microorganisms.
 - c. Oxygenic, phototrophic, eukaryotic microorganisms.
 - d. Oxygenic, phototrophic, prokaryotic microorganisms.
 - e. Plant life.
2. What distinguishes algae from plants?
3. All algae contain, or have a very recent ancestor that contains _____, a green pigment used by algae for photosynthesis.
4. Are all algae green?
5. Describe the diversity of algae.
6. Algae can live in any environment that is _____ and has enough _____ to grow.
7. Mixed phytoplankton are responsible for what percent of the total photosynthesis on Earth?
8. Which of the following statements about algae is TRUE?
 - a. They form large organisms composed of many different tissue types.
 - b. Algae are not human pathogens.
 - c. Dinoflagellates have silica in their cell walls.
 - d. Euglena cannot survive without chloroplasts.
 - e. They can live in symbiosis with corals.
9. The influx of which two nutrients is known to cause algal blooms?
 - a. Phosphorus
 - b. Sulfur
 - c. Nitrogen
 - d. Mercury
 - e. Carbon
10. Algal blooms are dangerous to humans because _____.
 - a. They block the light, preventing photosynthesis.
 - b. Fish eat the algae and grow too large to catch.
 - c. They die and sink to the bottom, filling in natural waterways.
 - d. They are thick mats that boats cannot drive through.
 - e. They can release large amounts of toxins into drinking water.