Exam Review Guide I

1. Organisms that are "self-nourishing" and are commonly called producers are also known as autotroph; organisms that feed on "other organisms" sometimes referred to as consumers are called _heterotroph.
2. A relationship in which one organism benefits from the relationship and the other organism is harmed like a dog and a tapeworm is called a host - parasite relationship
3. In succession the first grasses and weeds to inhabit a newly plowed field are called pioneer species
4. In Ohio the most complex and stable plant community is a Beech-Maple forest, this community is called climax community
5. Food Web – see board
6. The green pigment in plants is called chlorophyll; this pigment is located in organelles that re only found in plants called chloroplast; this organelle is the site of photosynthesis.
7. Cells that lack a nucleus and other membrane organelles and resemble the first life on earth are called prokaryotic cells. Cells that have a nucleus and other membrane organelles are called eukaryotic cells
8. The mitochondria is the site of cellular respiration and is sometimes called the cells powerhouse.
9. DNA is located in the cells nucleus
10. The site were the genetic code is translated into a protein (site of protein synthesis) is called the ribosome. These structures are sometimes located on the surface of the cells highway or canal called the endoplasmic reticulum (ER)
11. List three structures that are found in plant cells, but not animal cells
    chloroplast, cell wall, central vacuole
12. Neutral solutions have a pH of 7 acids have a pH between 1-6; and bases have a pH between 8 and 14. If you get a base on your fingers it tends to feel slippery.
13. Label the parts of the below atom and determine its atomic number and atomic mass

14. The part of the atom that is involved in forming chemical bonds is the electrons and this subatomic particle has a negative charge.
15. Atoms are electrically neutral but if the atom loses an electron it becomes positive in charge and if it gains an electron it becomes negative

Mid-term review sheet I

autotroph(s) heterotroph(s) host parasite pioneer