

Science Mid-Qtr 1 Test – Study Guide

Directions: Use the following study guide to help you study for the test. Use your notes in your notebook to help you study.

1. Be able to **locate** the following organelles on an animal and plant cell. Know the **function** of each of these organelles.
 - a. **Nucleus**
 - b. **Cell wall**
 - c. **Cell membrane**
 - d. **Vacuole**
 - e. **Cytoplasm**
 - f. **Mitochondria**
 - g. **Chloroplast**
2. Be able to state the difference between an animal and plant cell.
3. Know what an inherited trait is- examples: eye color, hair color, height, etc –These are all determined by a combination of genes that come from **both** parents, not just one.
4. Know that learned characteristics are what we learn during our lifetime (riding a bicycle, swimming, etc)
5. Know the difference between a learned characteristic and an inherited trait
6. Fur color of an animal and physical characteristics of an animal is determined by a combination of genes from both parents (Just like hair color and characteristics of a human)
7. Photosynthesis- the process of plants making food
8. In order for photosynthesis to take place, plants need Carbon Dioxide, sunlight and water
9. The product of photosynthesis = sugar (glucose) and oxygen
10. Be able to select an investigation that could be used to answer specific questions
11. Distinguish between physical and chemical properties