**Biology I – Quiz #1 Practice Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

1. Provide a characterization of each term:

Anatomy Histology

Cytology Physiology

1. Provide the sequence of the Levels of Organization within the human body.
2. Name 5 of the 7 characteristics of life.
3. Describe what Anatomical Position is and why it is used.
4. Define the following anatomical terms

Anterior Posterior

Superior Inferior’

Dorsal Ventral

1. What are emergent properties? Can you give an example?

1. How many millimeters are there in one meter?
2. How many micrometers are there in one centimeter?
3. How many nanometers are there in one meter?
4. Which is smaller, a human check cell with a diameter of 30 micrometers or a human egg cell at 0.1 millimeters?
5. Calculate the length of the following images in micrometers.
6. To what do the terms Systole and Diastole refer to and how does each state contribute to blood pressure within the cardiovascular system?

Draw arrows into the diagram below indicating the pathway of blood through the cardiovascular system. (8 pts.)