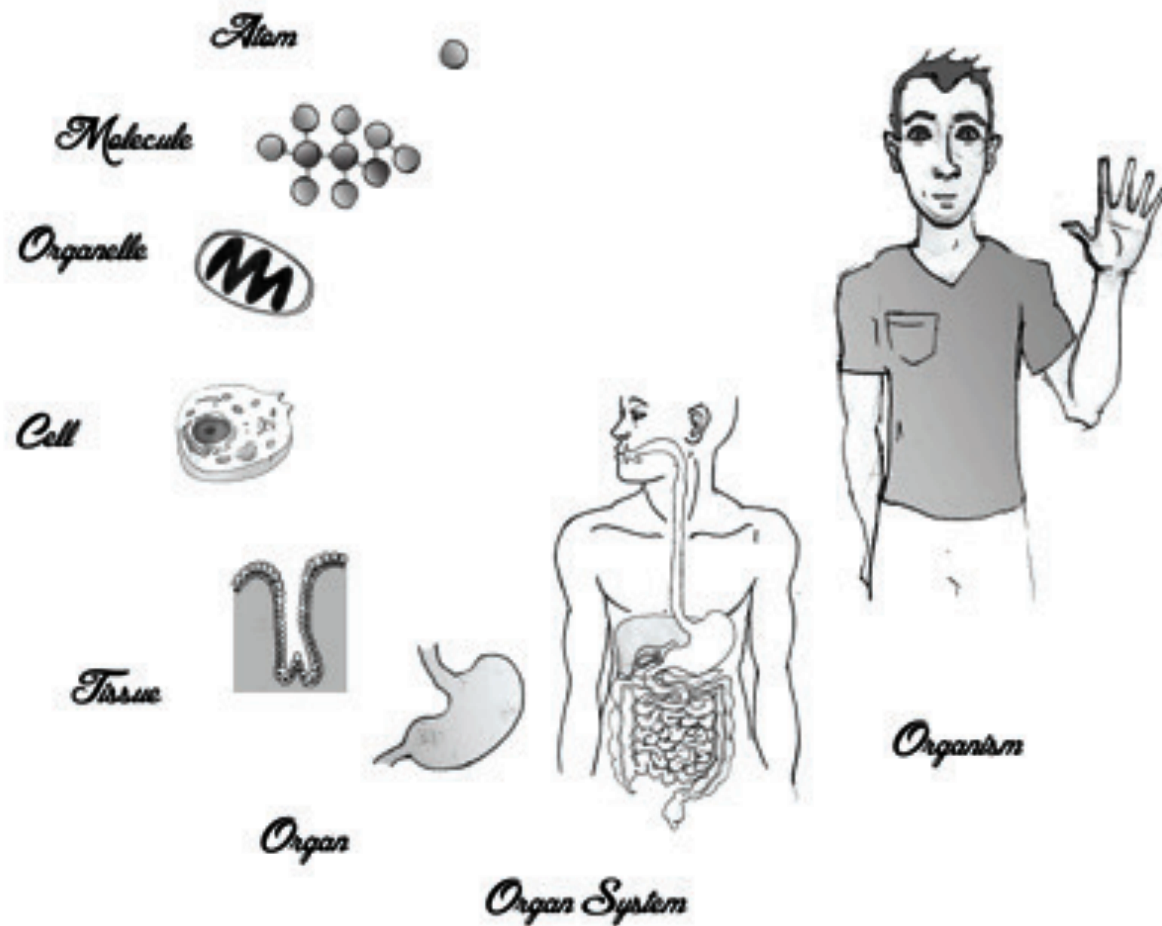


Model 1: Anatomy and Levels of Organization

An anatomist is a person who studies the structure of a living thing – how all the little things are organized into bigger things. The smallest living structures are cells, but there are things even smaller than a cell (such as atoms and molecules). Figure 1 shows the levels of organization used by anatomists. Table 1 names examples of each of the levels of organization shown in Figure 1

Figure 1: Levels of Organization in the Human Body



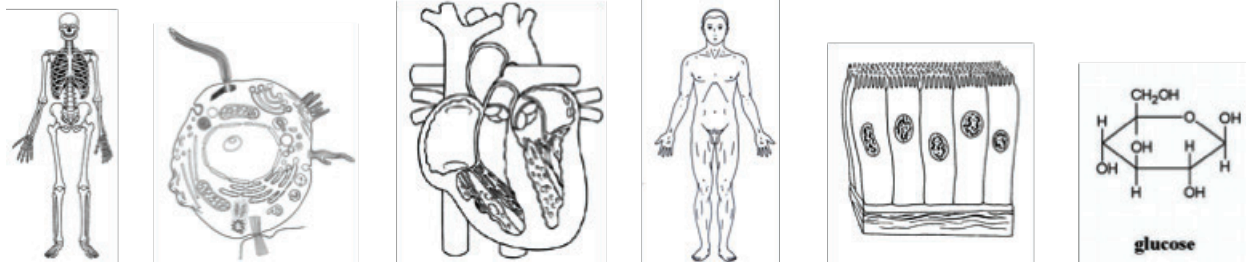
Level of Organization	Example
Atom	Carbon
Molecule	Carbon Dioxide
Cell	Stomach Cell
Tissue	Epithelial Tissue
Organ	Stomach
Organ System	Digestive System
Organism	YOU

QUESTIONS:

1. Using the list above, identify two terms that describe components that are smaller than cells and *four* that are larger than cells.

Smaller than a cell	Larger than a cell
1.	1.
2.	2.
	3.
	4.

2. What are two examples from the list above that can be found **inside** a cell?
3. Classify the follow images and label with the appropriate level of organization.



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4. Circle "TRUE" or "FALSE" for the following statements:
- a) Organs are composed of multiple tissues types. TRUE or FALSE
 - b) Tissues are composed of multiple cell types. TRUE or FALSE
 - c) Tissues are composed of multiple organ types. TRUE or FALSE
5. Spend 60 seconds working individually to write definitions for the two terms below. After 60 seconds, discuss your definitions with the group and decide who has the best definition.

a) Tissue:

b) Organ: