

1. Atoms are composed of _____, _____, and _____.

2. (a) What is the chemical formula for water?

(b) Which of these two atoms is most greedy for electrons?

(c) This greediness makes water molecules “polar,” due to the partial charges they develop. What type of bond can result from attraction between these partial charges?

(d) These bonds give water some unique properties. Please name two of these unique properties. 2pts

3. (a) What are the molecular subunits (monomers) that make up proteins?

(b) Why does the order of these subunits matter in proteins?

4. The nucleus and plasma membrane are two common cell structures. Please name two more cell structures or organelles.
2pts