

Name _____
HOMEWORK # 1

Test your knowledge. Use your text, lecture notes or publisher's webpage.

There are 3 types of bonds discussed in chapter 3. Which type of bond is

- a) the strongest: _____
- b) the weakest: _____
- c) most commonly found in the human body: _____
- d) responsible for the unique properties of water: _____

List one molecule that illustrates each type of bond.

- a) covalent: _____
- b) ionic: _____
- c) hydrogen: _____

For each macromolecule (polymer) below, identify its monomer.

- a) carbohydrate: _____
- b) lipids: _____
- c) proteins: _____
- d) nucleic acids: _____

Define:

- ❖ Chaperone protein:
- ❖ Catalysis:

Which macromolecule above serves as the greatest storage of energy? _____