Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**What are some common carbon compounds?**

Use your textbook to help you fill in the blanks.

1. Carbon bonds with itself to form either \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ or the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ in your pencils.
2. One carbon atom bonds with 2 oxygen atoms to form \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, which is used by green plants during photosynthesis.
3. A dangerous gas formed from one carbon atom and one oxygen atom is \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

**What organic compounds are in your body?**

1. Many of the processes needed for life depend on \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ compounds.
2. Organic compounds called \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_are your body’s main source of energy.
3. Fats and oils are examples of \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, which can store and release more \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_than other organic compounds.
4. The most essential organic compounds in the human body are \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.
5. Proteins contain the elements \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, hydrogen, oxygen, and \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.
6. Proteins help move \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ through the blood.
7. Organic compounds found in chromosomes, which store and transfer information on building \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, are called \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

**How do people use organic compounds?**

1. Milk jugs are made from \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, which contains organic compounds.
2. Most plastics are \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, or made by people.
3. Some plastics occur naturally, such as the plastics found in the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ of some animals.

Match the correct letter with the description

|  |  |  |
| --- | --- | --- |
| 1. carbohydrates | 1. lipids | 1. nucleic acids |
| 1. organic compounds | 1. proteins | 1. plastic |
| 1. synthetic |  |  |

1. \_\_\_\_\_\_\_\_\_ the chemical building blocks of all known living things
2. \_\_\_\_\_\_\_\_\_ a molded material that can retain its shape
3. \_\_\_\_\_\_\_\_\_ your body’s main source of energy
4. \_\_\_\_\_\_\_\_\_ the most essential organic compounds in the human body
5. \_\_\_\_\_\_\_\_\_ substances that store and transfer information for the building of proteins
6. \_\_\_\_\_\_\_\_\_ organic compounds that can store and release more energy than other organic compounds
7. \_\_\_\_\_\_\_\_\_ made by people