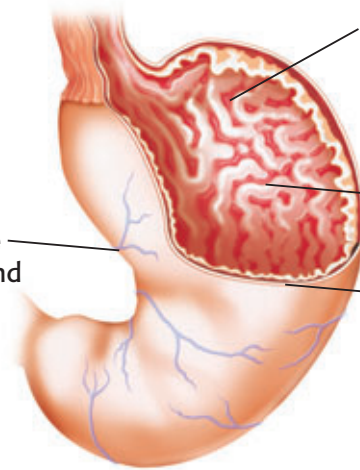


Figure 2 Organization of the Stomach

The stomach is an organ. The four kinds of tissue work together so that the stomach can carry out digestion.

Blood and another **connective tissue** called *collagen* are found in the wall of the stomach.



Nervous tissue in the stomach partly controls the production of acids that aid in the digestion of food. Nervous tissue signals when the stomach is full.

Epithelial tissue lines the stomach.

Layers of **muscle tissue** break up stomach contents.

Tissues Form Organs

One kind of tissue alone cannot do all of the things that several kinds of tissue working together can do. Two or more tissues working together form an **organ**. Your stomach, shown in **Figure 2**, uses all four kinds of tissue to carry out digestion.

Organs Form Systems

Your stomach does a lot to help you digest your food. But the stomach doesn't do it all. Your stomach works with other organs, such as the small and large intestines, to digest your food. Organs that work together make up an *organ system*.

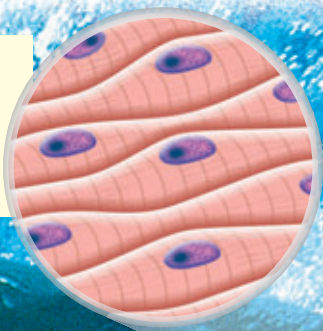
Standards Check How is the stomach part of an organ system?
S7L2.c

homeostasis the maintenance of a constant internal state in a changing environment

tissue a group of similar cells that perform a common function **GPS VOCAB**

organ a collection of tissues that carry out a specialized function of the body **GPS VOCAB**

Muscle tissue is made of cells that contract and relax to produce movement.



Connective tissue joins, supports, protects, insulates, nourishes, and cushions organs. It also keeps organs from falling apart.

