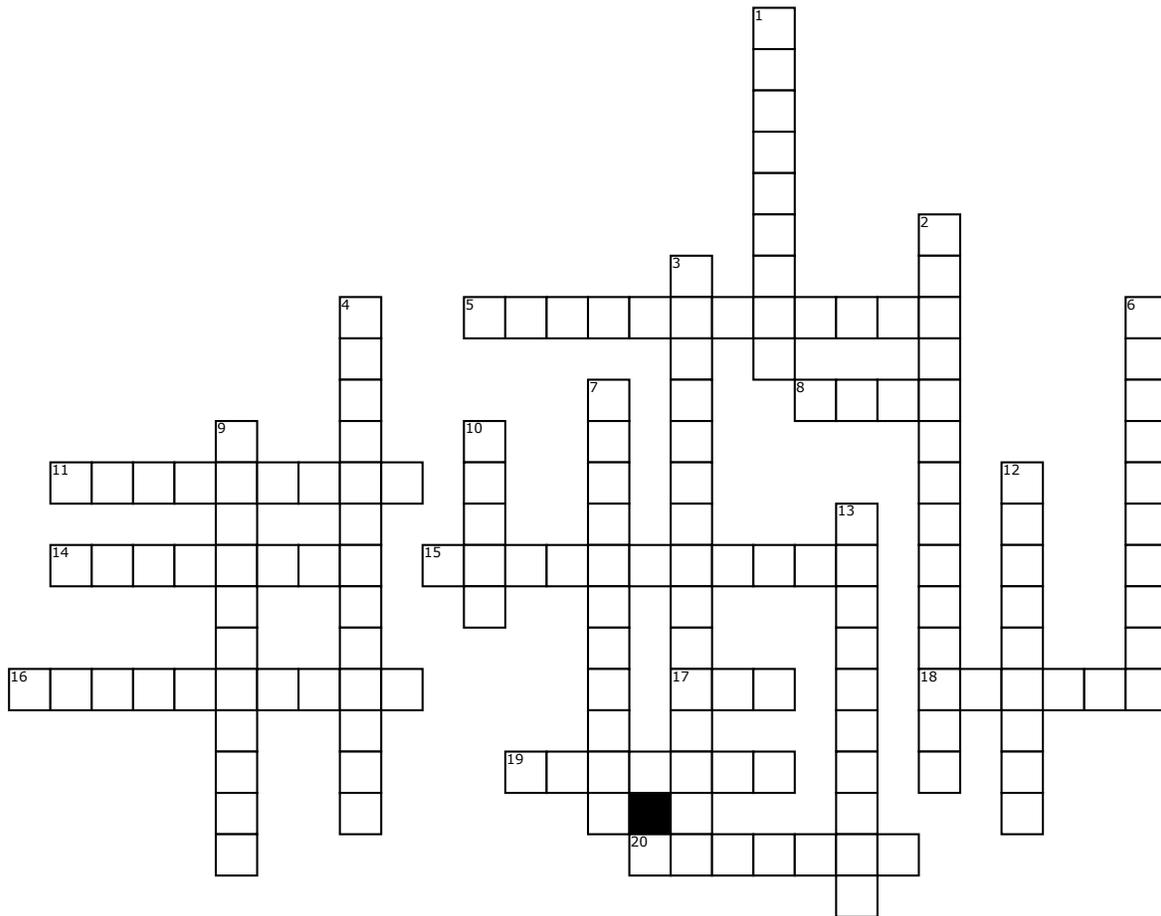


# Muscular System Crossword Puzzle



## **Across**

- 5.** Type of muscle that is found in hollow structures of the body like the intestines, blood vessels, and urinary bladder.
- 8.** This gives a firm appearance to skeletal muscles.
- 11.** Thread-like proteins that make up muscle fibers.
- 14.** \_\_\_\_\_ contraction occurs when muscles become shorter and thicker when lifting a weight and tension remains the same.
- 15.** It is a condition in which a muscle shortens its length in the resting state.
- 16.** Muscles that straighten the knee are called the \_\_\_\_\_.
- 17.** The source of energy for molecule contraction is \_\_\_\_\_ molecules.

**18.** Painful contraction of muscles that occur because of an irritation within the muscle such as inflammation of connective tissue or lactic acid build up.

**19.** It is caused by the rapid vibration of the uvula and soft palate producing a harsh, rasping sound during sleep.

**20.** It is the muscle that received injections.

## **Down**

**1.** It is the connective tissue that surrounds the entire skeletal muscle.

**2.** It is the longest type of muscle.

**3.** Found only in muscle tissue and provides a rapid source of high-energy ATP for muscle contraction.

**4.** It is the type of muscle that is found only in the heart and is controlled by the autonomic nervous system.

**6.** Muscles that assist the prime movers.

**7.** Nerve cells that carry action potentials to muscle fibers.

**9.** It is a condition that occurs after death because no ATP is being produced. The myosin cross-bridges cannot detach from the actin filaments.

**10.** All of the muscle fibers that are innervated by the same nerve fiber are called \_\_\_\_\_ unit.

**12.** Muscle that elevates your eyebrows and wrinkles skin of your forehead.

**13.** Inflammation of tendon.