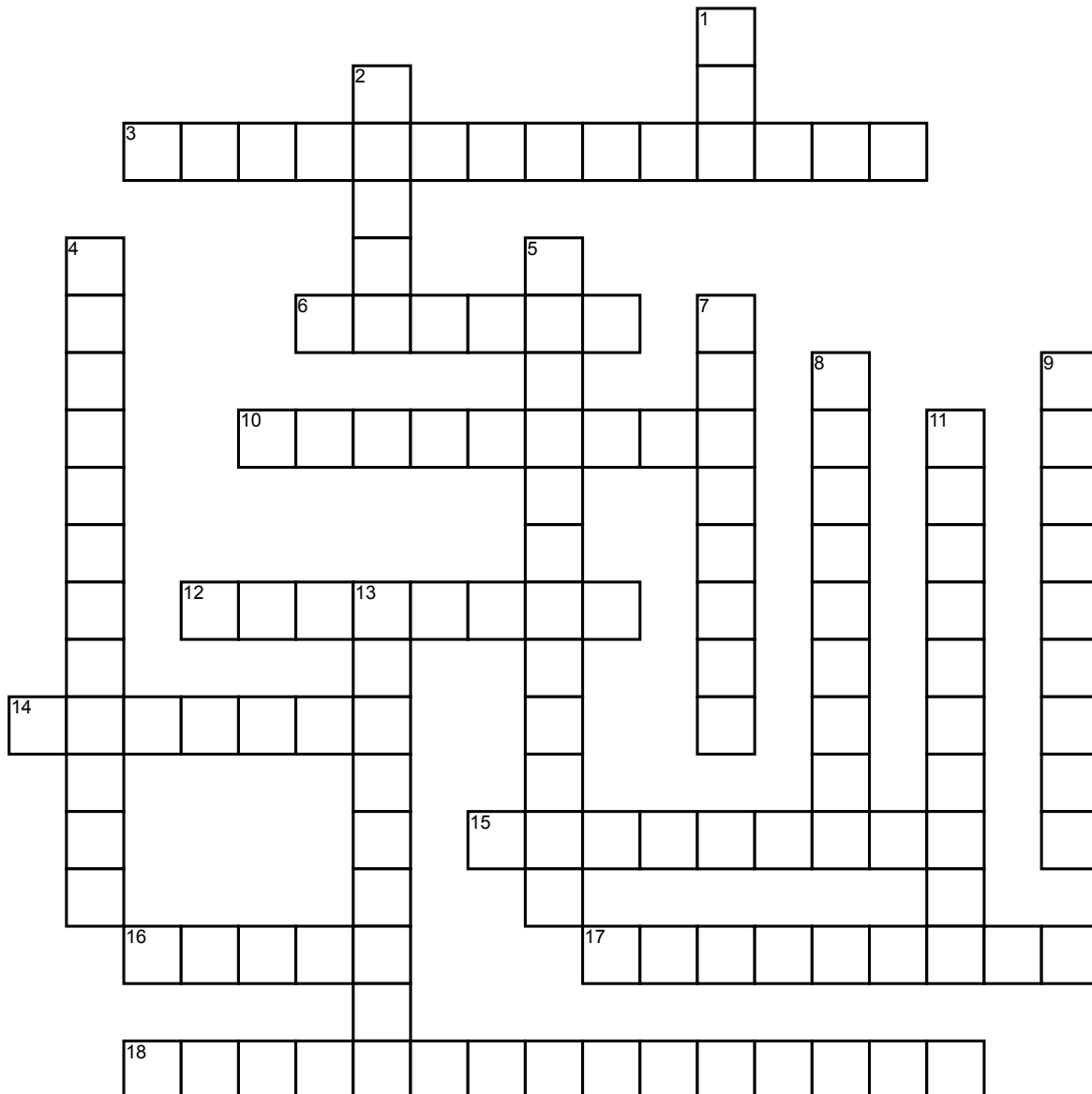


# The Ultrastructure of Cells



## **Across**

**3.** Collection of cisternae that modifies and packages proteins (5,9)

**6.** The fluid interior of mitochondria (6)

**10.** The organelle responsible for producing ribosomes (9)

**12.** Type of microscope that reveals a cell's ultrastructure (8)

**14.** The biggest organelle in eukaryotes (7)

**15.** The 'r' in rRNA (9)

**16.** The protein that forms microfilaments (5)

**17.** Programmed cell death (9)

**18.** The double membrane that protects DNA (7,8)

## **Down**

**1.** What DNA becomes in order to leave the nucleus (3)

**2.** The component in cells lining the trachea, responsible for the movement of mucus (5)

**4.** What spindle fibres are made of (12)

**5.** Where the last stages of cellular respiration occur (12)

**7.** Membranous sacs that transport material inside cells (8)

**8.** The location of chemical reactions (9)

**9.** Specialised vesicles that break down waste material (9)

**11.** What forms to make centrosomes (10)

**13.** Where ribosomes attach to endoplasmic reticulum (9)