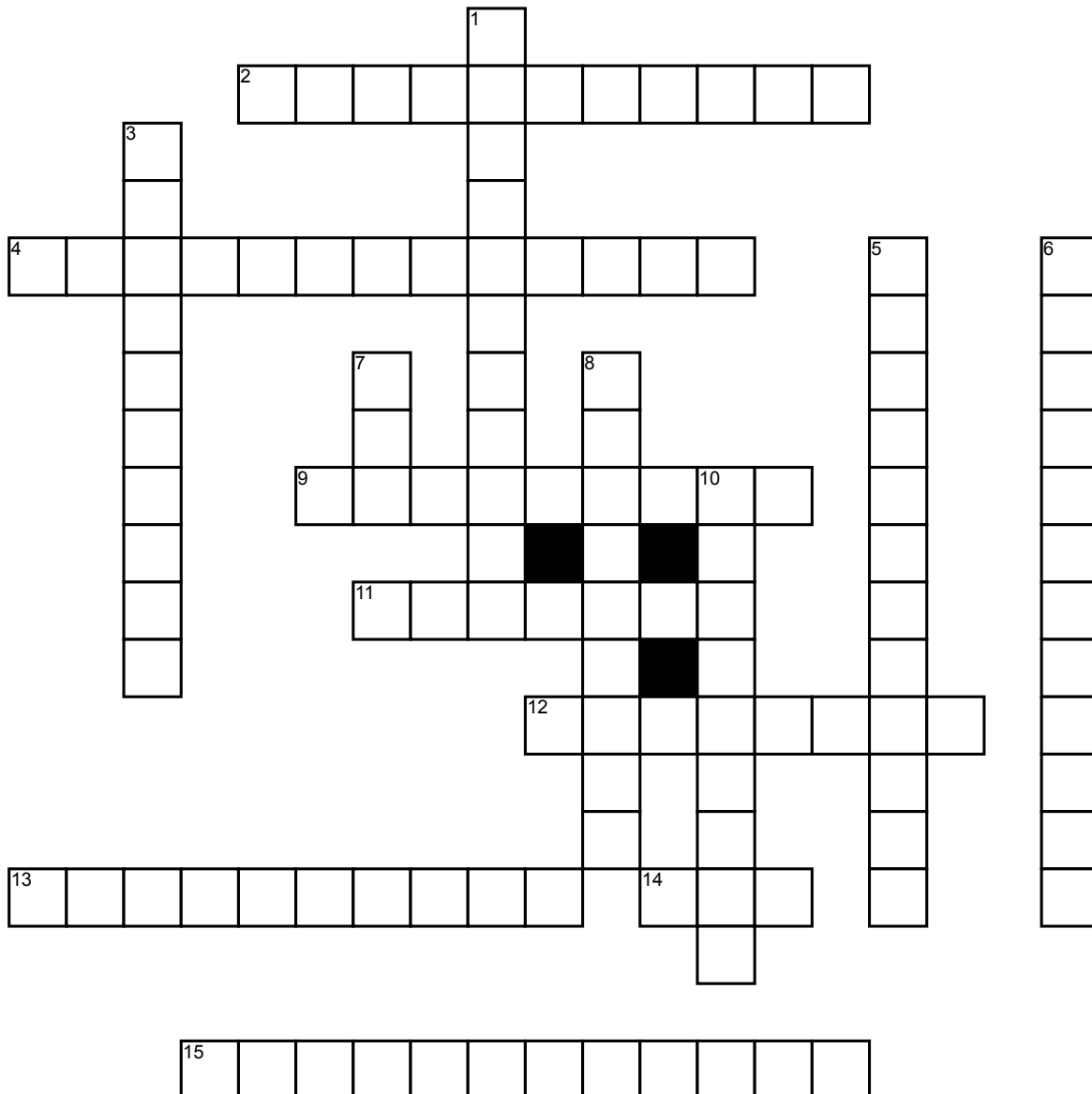


Microscopy and Cells



Across

2. the name of the scale used to show the sizes of some objects, each step is a 10 fold increase

4. the number of times larger an image appears, compared with the size of the object

9. a measuring device, placed either on the stage or eyepiece of a microscope

11. The control centre of the cell, that stores the organism's genome, transmits genetic information and provides instructions for protein synthesis

12. small loops of DNA

13. the clarity of the image, the shortest distance between two points on a specimen

14. the intracellular transport system, which also provides a large surface area for ribosomes

15. the site of photosynthesis

Down

1. which cells divide by binary fission?

3. small structures within cells, each of which has a specific function

5. The site of ATP production during aerobic respiration

6. a network of protein filaments within cytoplasm that move organelles

7. is the system of membranes, containing fluid filled cavities that are continuous with the nuclear membrane

8. where ribosomes are made

10. small bags formed at the golgi apparatus, surrounded by a single membrane