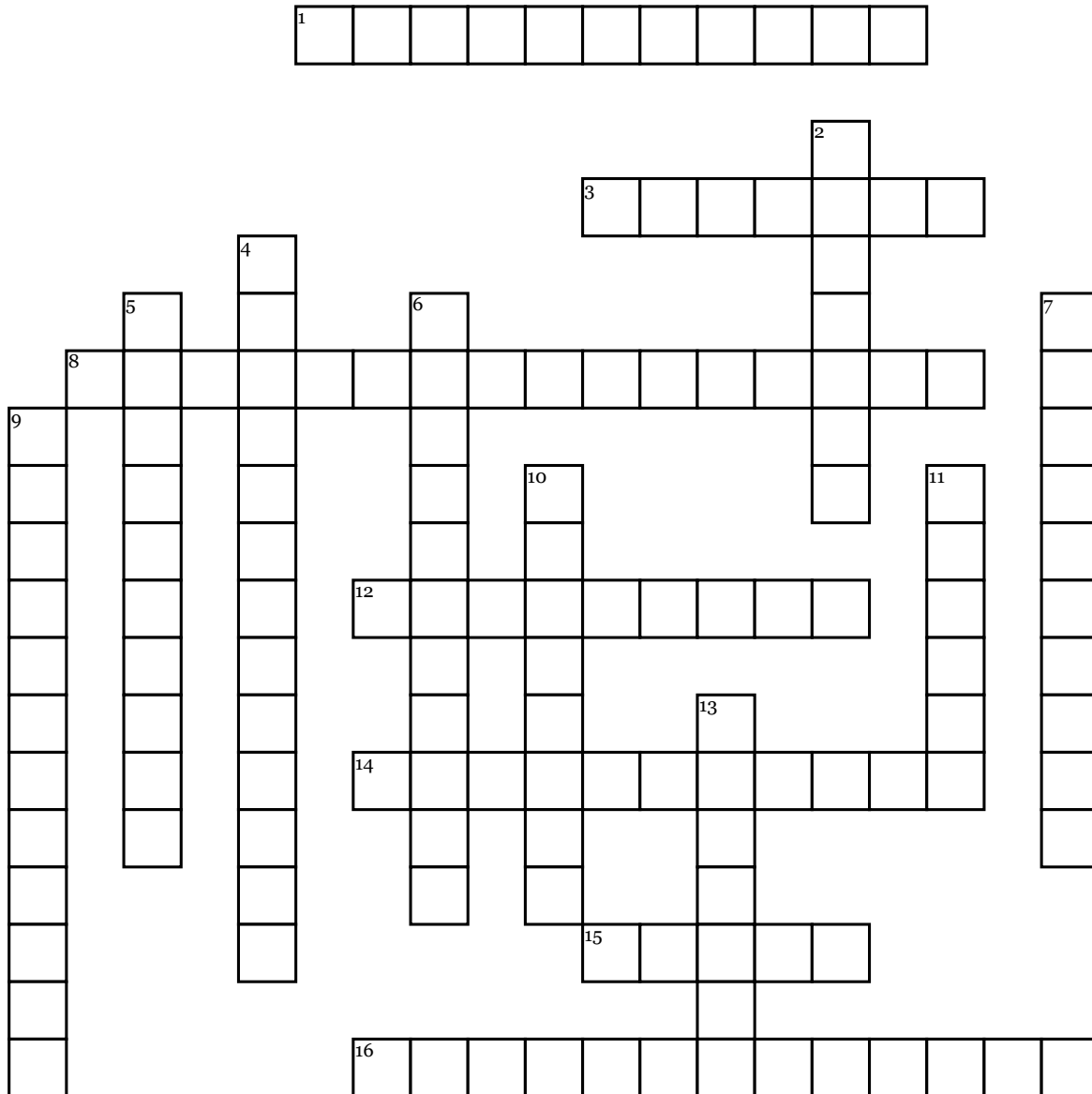


Name: _____

Date: _____

Biotechnology and indigenous knowledge



Across

1. cloning of cells, tissues, or organs to replace damaged tissues or organs

3. small piece of tissue taken from a plant, to be used for cloning

8. donated blood is used to replace lost blood from a patient (2 words)

12. cells without a specific function, which can differentiate into specialised cells or self-renew (2 words)

14. chemical substances that kill or prevent the growth of bacteria

15. name of the first cloned animal in South Africa

16. plants are cloned using this technique (2 words)

Down

2. usually contains a protein resembling a disease-causing microorganism or toxin

4. the use of biological matter to make useful products

5. small mass of embryonic stem cells formed from a zygote

6. technology using tissues and organs from plants and animals to make medicines

7. before conducting stem cell research, this is needed from the Minister of Health

9. cloning of a whole organism from cells or embryos

10. resistance to infection by a disease-causing organism

11. It is illegal in South Africa to clone these animals

13. all body cells, except sex cells (gametes)