

8. a. Using a labeled diagram , explain why a magenta flower appears magenta in white light .	b. What colour would the magenta flower appear under yellow light? Use a labelled diagram.

9. What type of material (**transparent, translucent, opaque**) is each of the following an example of?

- a. a window - _____
- b. a brick - _____
- c. frosted glass - _____

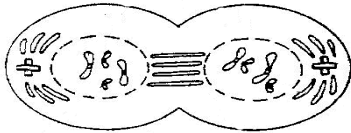
10. Provide an example of where you might encounter each type of **mirror** in your daily life:

- a. Plane _____
- b. Concave _____
- c. Convex _____

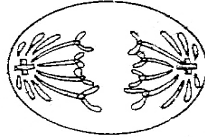
Biology Questions

11. a. Identify each stage of **mitosis**:

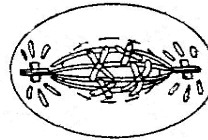
A. _____



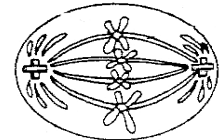
B. _____



C. _____



D. _____



b. Provide the correct **order of mitosis stages**: (2 marks)

_____, _____, _____, _____

12. In cancerous cells, explain how a **benign** tumour is different than a **malignant** tumour:

13. The following organs are part of the **respiratory system**. Arrange them in the correct order that air travels:

alveoli **trachea** **bronchioles** **bronchi** **nose**

- 1) _____
- 2) _____
- 3) _____
- 4) _____
- 5) _____

14. Answer the following questions about the **circulatory system** and the **respiratory system**:

- a. Which parts connect the two systems? _____ and _____
- b. What substances are transferred between the two systems? _____ and _____
- c. Why is it important that these two systems are connected? _____

15. Answer the following about **mitosis**:

a. If a **parent cell** has 8 chromosomes, how many does **one** of the **daughter cells** have after mitosis? _____

Explain. _____

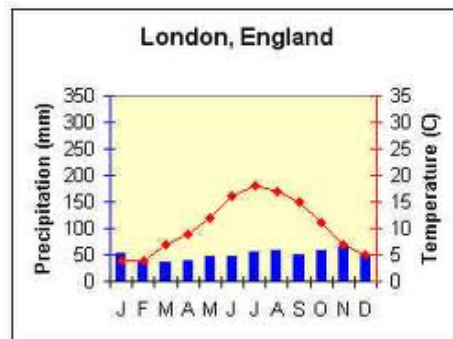
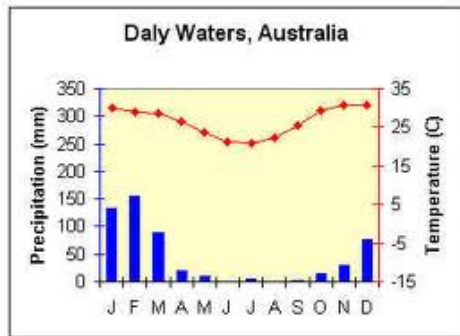
b. Why do cells divide instead of simply growing larger and larger? Explain.

16. Provide an example of one disease from each system. Then, provide a way to prevent the disease:

Human Body System	One Example of a Disease	One Way to Prevent the Disease
Circulatory		
Digestive		
Respiratory		

Climate Change Questions

17. Use the **climatographs** below to answer the questions that follow them:



a. Identify the **average temperature** for each city in **January**:

Daly Waters: _____ London: _____

b. Identify the **average precipitation** for each city in **August**:

Daly Waters: _____ London: _____

c. Which **city** experiences the **most amount of precipitation** during our **summer months**? _____

d. Which **city** is more likely to see **droughts and floods**? _____

e. Which **city** would you be more likely to visit over the **Christmas vacation** to enjoy some **warm weather**? Explain.

City: _____ Because: _____

f. In which **city** would you plant a tree that needed **rainfall all year**? Explain your choice.

City: _____ Because: _____

18. Name and describe three ways that you contribute to the anthropogenic greenhouse effect:

