

Introduction

This game is a revision activity to a lesson or series of lessons on the functions of blood.

Running the activity

Make four laminated cards of suitable colours for each pupil.

Label the cards:

Red blood cell

White blood cell

Plasma

Platelets

The game follows this sequence:

- Read the question.
- Allow a short period of time for pupils to consider their answer.
- Count "1,2,3 Show your cards!"
- Pupils all hold up their card at the same time.

Safety

Not applicable.

More ideas

Use different coloured card to denote different components of blood. Ask straightforward questions first, and then more stretching questions where the answer includes more than one component. Pupils hold up two cards when appropriate.

Learning outcomes

- Develop knowledge of blood: functions of red cells, white cells, plasma and platelets.

Where the activity fits in

Biology (ages 14-16)

Skills

Recall

Acknowledgement

Thank you to Lorna Coulson for this activity.

Blood Traffic Lights

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|-----|---|------------------|
| 1. | Which has a nucleus? | White blood cell |
| 2. | Which is the liquid part of the blood? | Plasma |
| 3. | Which carries nutrients such as glucose? | Plasma |
| 4. | Which carries oxygen? | Red blood cell |
| 5. | Which cell does not have a nucleus? | Red blood cell |
| 6. | Which contains haemoglobin? | Red blood cell |
| 7. | Which is not a proper cell, just a fragment? | Platelet |
| 8. | Which digests microbes? | White blood cell |
| 9. | Which makes antibodies? | White blood cell |
| 10. | Which has a biconcave disc shape? | Red blood cell |
| 11. | Which increases in number if we get an infection? | White blood cell |
| 12. | Which carries hormones? | Plasma |
| 13. | Which is shaped to have a large surface area? | Red blood cell |
| 14. | Which carries carbon dioxide? | Plasma |
| 15. | Which helps the blood to clot and make a scab? | Platelets |
| 16. | Which is a straw coloured liquid? | Plasma |
| 17. | Which is mis-shaped in sickle cell anaemia? | Red blood cell |
| 18. | Which has two types – phagocytes and lymphocytes? | White blood cell |