

Revising for science exams

Tips and techniques

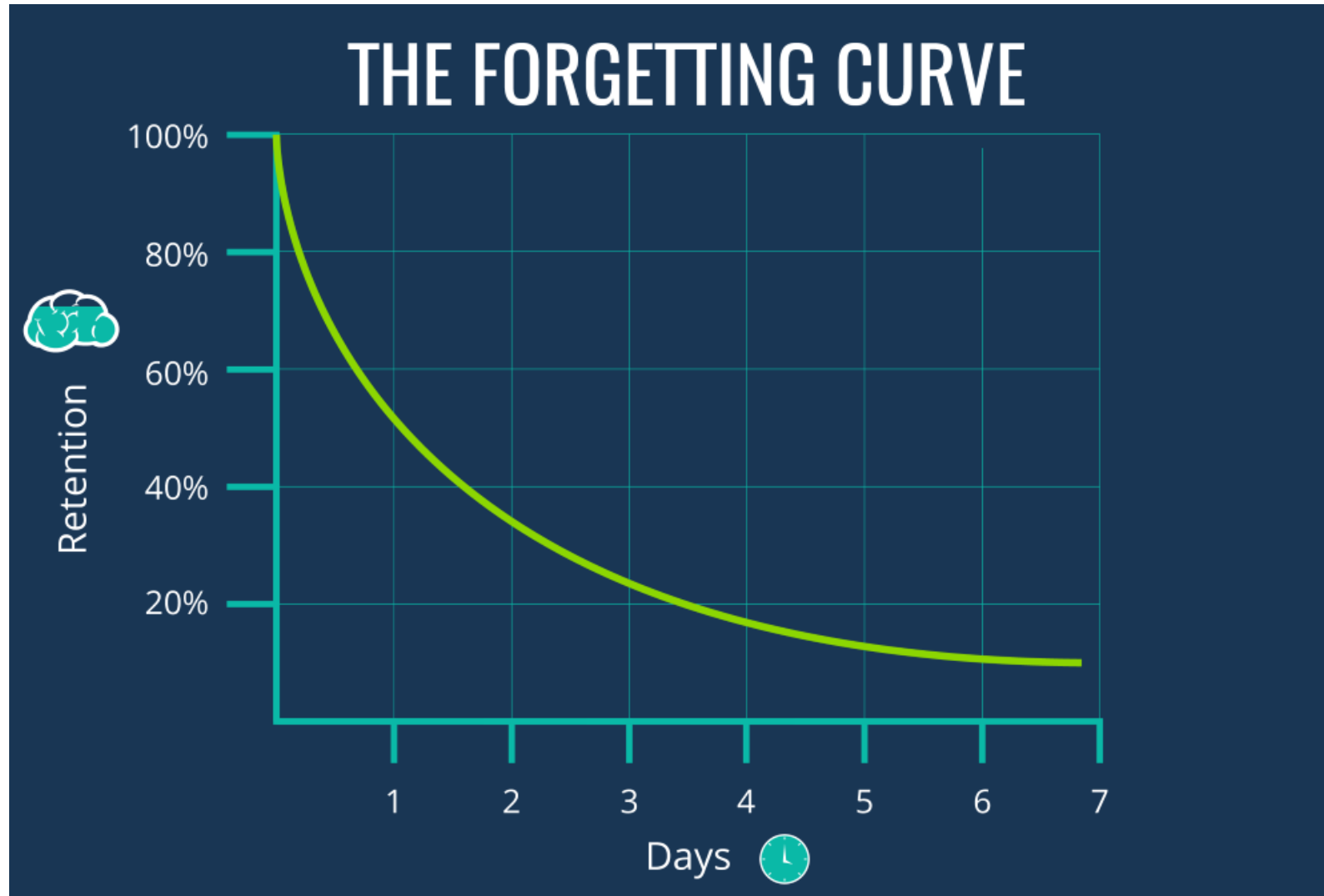
Mr Peter Hambridge
Head of Science



Areas to consider:

- Learning the facts and concepts (**memorisation**);
- Checking you remember and understand the facts and concepts especially in the areas where you feel the **weakest/least confident**;
- Practise of knowledge **application** in new situations (**exam questions**) especially 6 mark questions;
- **Numeracy** - are you confident using your calculator and have you practised questions that require maths skills?

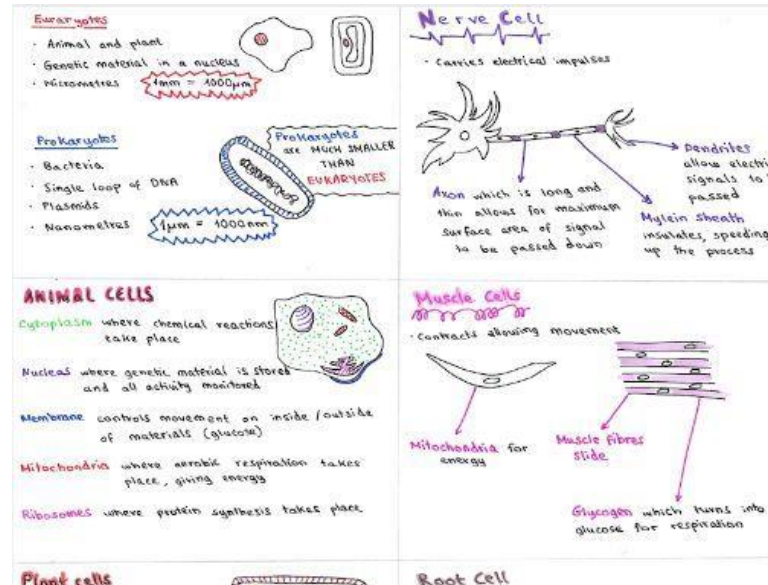
Memorisation



Flash cards

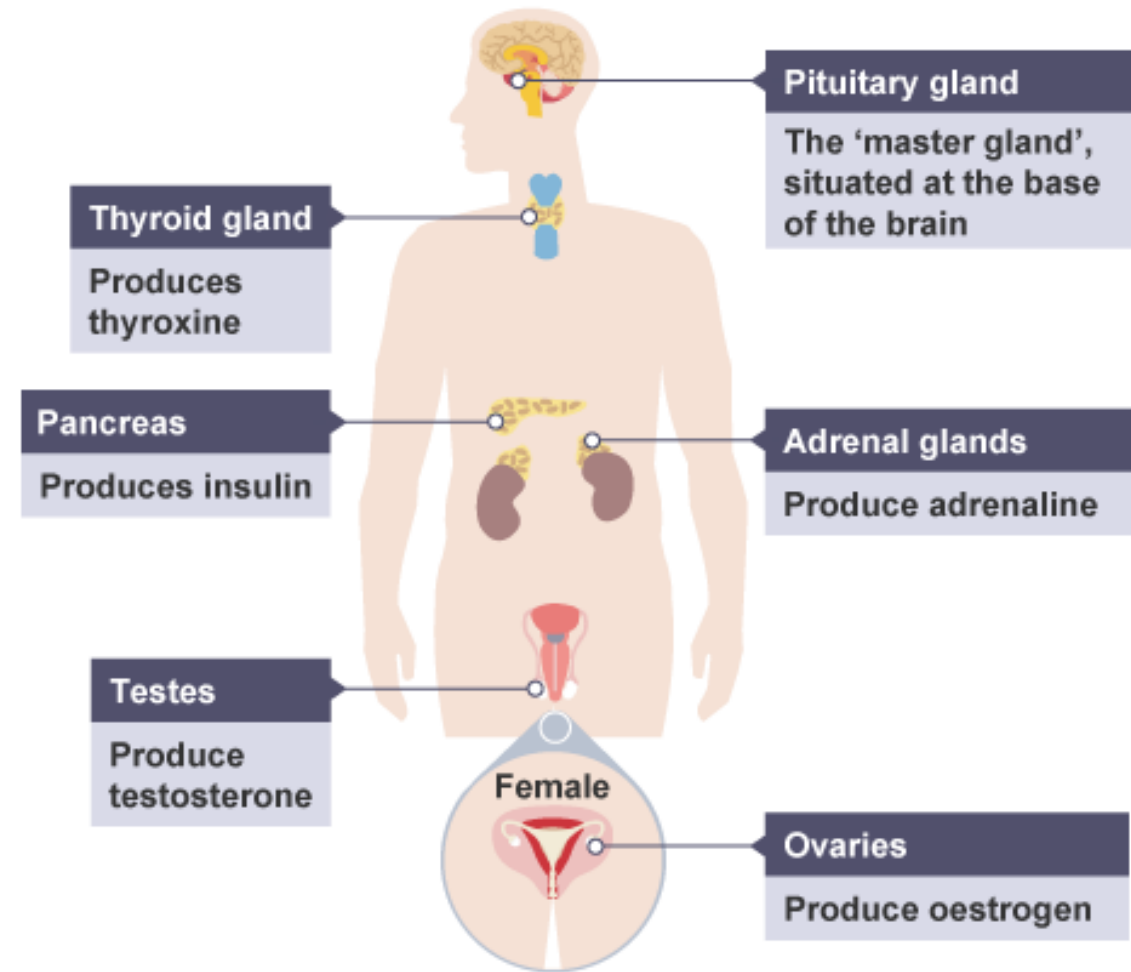
- Small
- Use both sides
- Stick to key terms/diagrams
- Parents/carers and fellow students can help test you on the cards!

- Let's practise!



A **hormone** is a chemical substance, produced by a **gland** and carried by the blood, which alters the activity of specific **target organs** (and is then destroyed by the liver).

Different hormones affect different organs or cells.

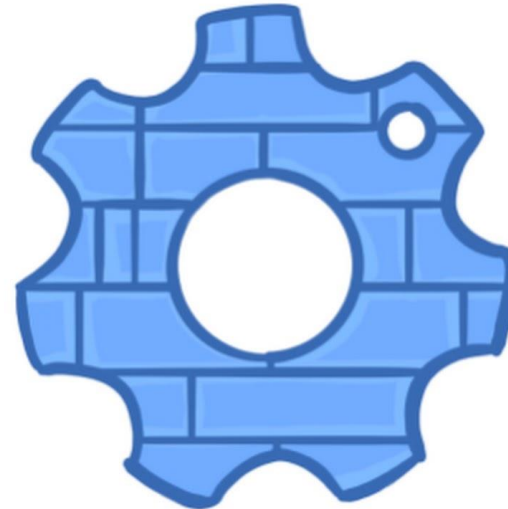


www.cgpbbooks.co.uk



Revision videos:

- Free science lessons
- Primrose Kitten
- Cognito



Exam question practise is
VITAL



Where to get questions (and the answers 😊)

- Our school **Virtual Learning Environment (VLE)**. The weekly revision course is available via this platform and has hundreds of questions and answers so that students can self-assess.
- www.aqa.org.uk for full past papers
- www.physicsandmathstutor.com (for questions on all topics)
- www.savemyexams.co.uk (revision notes, questions on all topics)

(e) Red blood cells are specialised animal cells.

Compare the structure of a red blood cell with the structure of a plant cell.

Level 1: Relevant features are identified and differences noted.

1–3

No relevant content

0

Indicative Content

Differences:

- red blood cell has no nucleus **or** plant cell has a nucleus
- red blood cell has no cell wall **or** plant cell has a cell wall
- red blood cell is a biconcave disc **or** there are many different shapes of plant cell
- red blood cell contains haemoglobin **or** plant cells do not contain haemoglobin
- red blood cells do not contain chlorophyll **or** plant cells (may) contain chlorophyll
- red blood cell has no chloroplasts **or** plant cell has chloroplasts
- red blood cell has no (permanent) vacuole **or** plant cell has (permanent) vacuole
- red blood cells are (much) smaller than plant cells

Similarities:

both have:

- cytoplasm
- cell membrane
- pigments (although they are different)

ignore references to mitochondria and ribosomes

for **Level 2**, consideration of both red blood cells and plant cells is required.

Thanks for listening and
taking part 😊

Any questions, please just ask
(p.hambridge@roundwoodpark.co.uk)