

Isaac Biology

Lewis Thomson

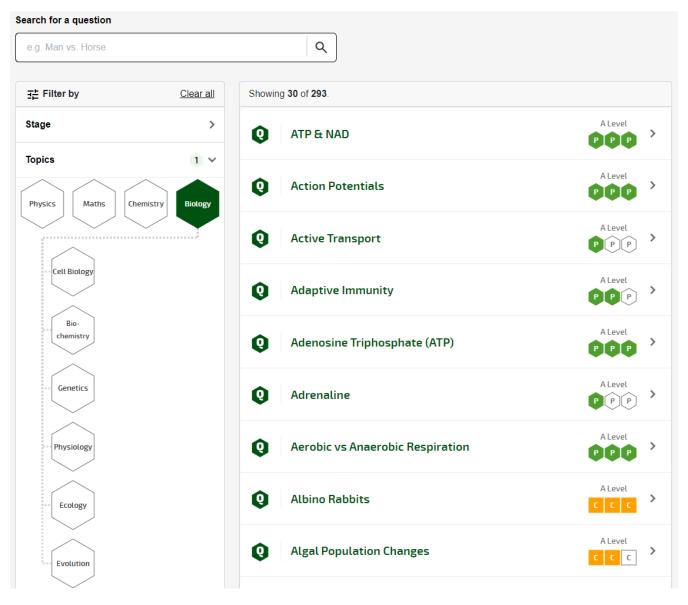


Isaac Biology

- Currently A-level content only
- Question pages (~300)
 - Original
 - Past Papers (OCR, CIE)
 - Natural Sciences Admissions Assessment (NSAA)
- Concept pages



Question Finder



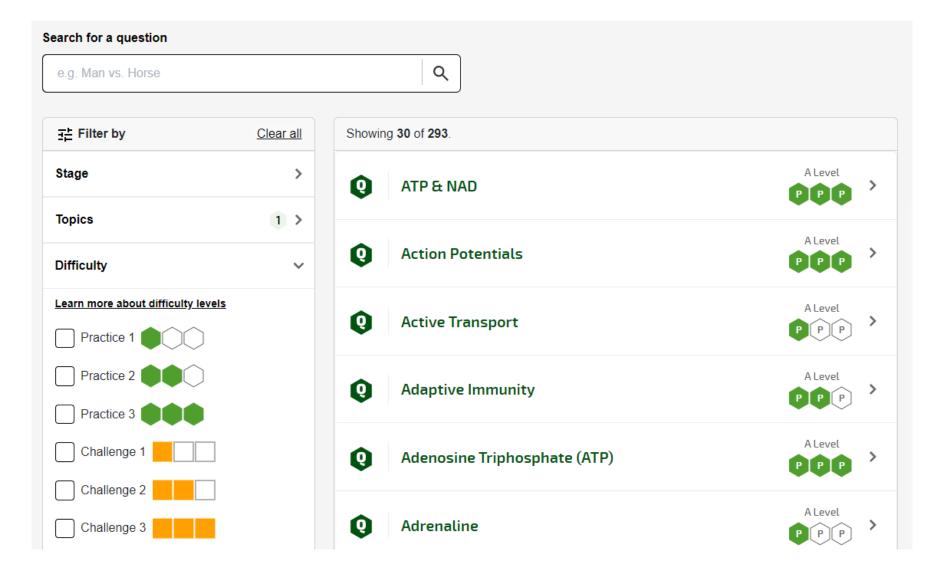


Question Finder



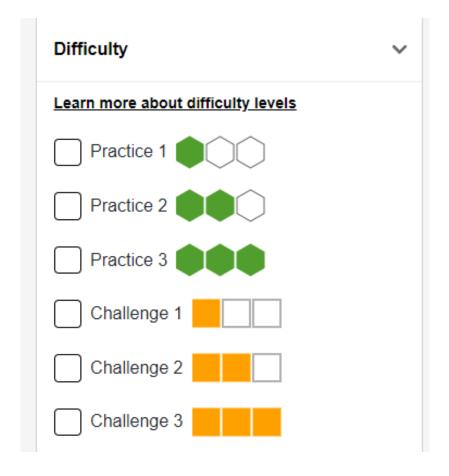


Question Difficulty





Question Difficulty



Practice: Recall questions

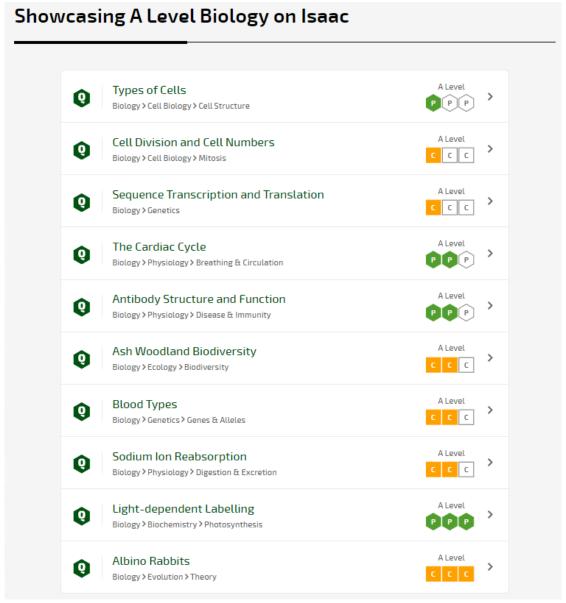
- What is the name of this cell type/process/?
- Label the diagram
- Fill-in-the-blanks

Challenge: Application questions

- Data interpretation
- Logic & reasoning
- Problem-solving-style questions



Example biology questions





Biology Boards by Topic

Home > Biology Boards by Topic

Biology Boards by Topic

Prepared boards for use in classroom or homework



Boards for Physics



Boards for Chemistry



Boards for Biology



For Maths boards, see Practise Maths.

The Biology topics below are ordered to allow for progression of ideas from one board to the next (within each section). To find a board on a specific topic, use ctrl+F in your browser. You can also click on the links below to jump to the relevant section.

- Biochemistry
- Cell Biology
- <u>Ecology</u>
- Evolution
- Genetics
- Physiology

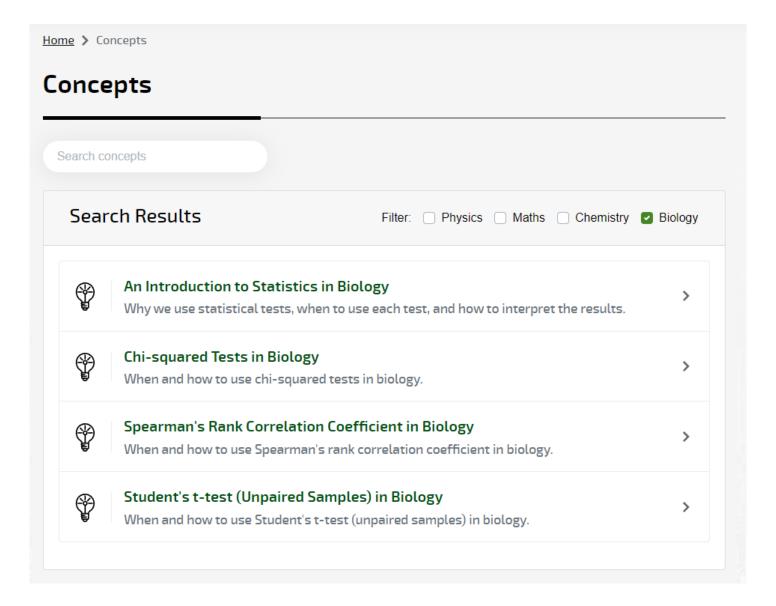
The "What it contains" column lists the <u>difficulty levels</u> of the questions and how many there are: for example, "3×P, 6×C" means three "Practice" questions and six "Challenge" questions. Generally, "Practice" questions are recall-based questions that test basic knowledge of a topic, while "Challenge" questions are application-based questions that test the ability to apply that knowledge to an unfamiliar scenario. Some ratings are preliminary and subject to change, so feedback from teachers is very welcome. The table also shows which question types are used in each board:

- MCQ: multiple-choice with only one correct answer
- Item: multiple-choice with multiple correct options to select

https://isaacphysics.org/pages/boards_by_topic_bio

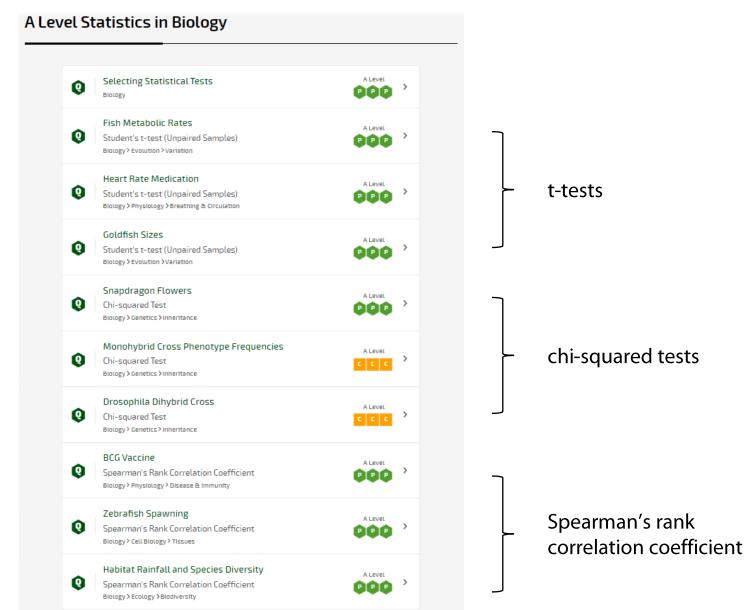


Concept pages





Example statistics questions

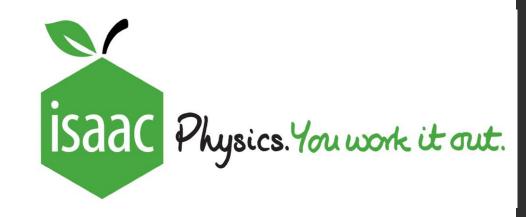


https://isaacphysics.org/gameboards#isaac_bio_stats_sample



Next steps for Isaac Biology

- GCSE Biology question pages
- Concept pages (A-level)
- More A-level questions
- "Stretch questions"
 - Collaboration with Andrew Catherall-Ostler (funded by Isaac Newton Trust)
 - e.g. "How does a cell fit its genome into such a small space?" and "Why don't humans photosynthesise?"



Thank you!