Science Grade 6 — Practice Exam 1 — Answers & Explanations

Answers to the 13 questions in the free preview.

Science

1. C. Heart
The heart is a muscular organ that pumps blood through the circulatory system.

2. C. Friction
Friction acts opposite to motion between surfaces, slowing objects down.

3. C. The tilt of Earth's axis
Earth's axial tilt means different hemispheres receive more or less direct sunlight through the year, causing seasons.

4. C. Cell
The cell is the smallest basic unit of structure and function in all living organisms.

5. B. Digestive system
The digestive system breaks down food into nutrients the body can absorb and use.

6. A. Adaptation
An adaptation is a trait that helps an organism survive and reproduce in its specific environment.

7. A. Kidneys
The kidneys filter waste products and excess water from the blood to form urine.

8. D. A population
A population refers to all the members of one species living in a particular area.

9. A. Potential energy
Potential energy is stored energy based on an object's position, such as height above the ground.

10. D. Kinetic energy
Kinetic energy is the energy an object has because it is moving.

11. B. Higher frequency
Pitch is related to frequency: higher frequency vibrations produce higher-pitched sounds.

12. B. A battery
A battery stores energy in chemical form, which is converted to electrical energy when used.

13. D. The pitch gets lower
Lower frequency vibrations produce a lower-pitched sound.

PrepNest

PREVIEW

That’s the end of the preview answers

These are the answers to the 13 preview questions. The full answer key covers all 26 questions in Science Grade 6 — Practice Exam 1, with the working behind every mark.

STILL TO COME	QUESTIONS	MARKS
Science	13	13

The full paper comes with

- Every question, printed exactly like the ones in this preview
- The complete answer key, with the working behind every mark
- A topic report after marking, showing what to practice next

Get the full paper at

prepnest.com.au/practice/exams/science-grade_6-1

PrepNest