

# Year 7 End of Year Exam - Revision Guidance



<b>Circulation</b>	Year 7 Students
<b>Title</b>	Y7 End of Year Exams - Revision Guidance
<b>Purpose</b>	To provide revision information for Y7 End of Year Exams

**You will sit two papers for your end of year science exams. Paper 1 is listed on your timetable as TCT on your timetable and will be the same paper sat by all Year 7 students in The Collegiate Trust and paper 2 is listed as WHS, which is a paper just for students at Woodcote High School.**

**Both papers will take 40 minutes and will be completed during your science lessons.**

**The below is a list of the topics and their lesson titles that you will need to revise for each of the papers.**

<b>Paper 1 (TCT)</b>	<b>Paper 2 (WHS)</b>
<p><b>Working scientifically</b>                      Lab safety                      Equipment                      Variables</p> <p><b>Forces</b>                      Forces                      Balanced forces and representing forces                      Unbalanced forces</p> <p><b>Particles and their behaviour</b>                      States of matter                      Changes of state</p> <p><b>Atoms elements and compounds</b>                      Elements                      Atoms                      Compounds                      Chemical Formulae</p> <p><b>Cells</b>                      Animal cells                      Plant cells                      Specialised cells                      Microscopes</p>	<p><b>Energy</b>                      Non-renewable energy sources                      Renewable energy sources                      Energy transfers                      Thermal energy transfers</p> <p><b>Structure and function of living systems</b>                      Levels of organisation                      Breathing                      Gas exchange                      Factors affecting gas exchange                      Gas exchange in plants                      The Skeleton                      Movement and muscles                      Movement and joints</p> <p><b>Space</b>                      Solar system                      Seasons and night and day                      The moon                      Eclipses                      Space exploration                      Armageddon</p> <p><b>Reproduction</b>                      Adolescence                      Reproductive systems                      Fertilisation and implantation                      Development of a foetus                      Menstrual cycle</p>

The papers will contain a variety of question types including:

- multiple choice
- short answer questions
- longer answer questions
- practical skills questions.
- You must answer all questions in the paper.

**You will need a black pen, pencil, ruler and calculator for the exam.**

**Further detail and revision materials can be found here:**

Past Papers: <https://www.physicsandmathstutor.com/>

Revision: <https://www.physicsandmathstutor.com/>

[KS3 Science - BBC Bitesize](#)

[Free Maths & Science Revision and Past Papers for A-Level, GCSE and KS3 | Cognito](#)

## **End of Year 7 Science Assessment**

### **Multiple Choice Practice Questions**

#### **Biology**

##### **1. Which statement about cells is correct?**

- A. Only plants are made of cells
- B. All living things are made of cells
- C. Cells are only seen with the eye
- D. Cells are not living

##### **2. Which order shows levels of organisation from smallest to largest?**

- A. Tissue → cell → organ → organ system
- B. Organ → tissue → cell → organ system
- C. Cell → tissue → organ → organ system
- D. Organ system → organ → tissue → cell

##### **3. Which option best explains why some cells look different from others?**

- A. Cells change colour with age
- B. Cells are adapted to do different jobs
- C. Cells are different sizes for no reason
- D. Cells only change in plants

##### **4. Why do scientists use microscopes?**

- A. To make objects heavier
- B. To see things that are too small to see clearly
- C. To change the shape of objects
- D. To colour objects

#### **Chemistry**

##### **5. Which list correctly names the three states of matter?**

- A. Hard, soft, runny
- B. Solid, liquid, gas
- C. Warm, cold, hot
- D. Heavy, light, medium

##### **6. In which state are particles closest together and in a fixed position?**

- A. Gas
- B. Liquid
- C. Solid
- D. Plasma

**7. What happens to particles when a substance is heated?**

- A. They stop moving
- B. They move more slowly
- C. They move faster
- D. They disappear

**8. Which diagram would show a gas?**

- A. Particles tightly packed in neat rows
- B. Particles close together but randomly arranged
- C. Particles far apart and randomly arranged
- D. One large particle

**Physics**

**9. Which word best describes a force?**

- A. Shine
- B. Heat
- C. Push or pull
- D. Weight

**10. What usually happens when forces on an object are balanced?**

- A. The object speeds up
- B. The object slows down
- C. The object changes direction
- D. The object does not change its movement

**11. Which arrow diagram would best show a stronger force?**

- A. A shorter arrow
- B. A thinner arrow
- C. A longer arrow
- D. A curved arrow

**Working Scientifically**

**12. Why should some variables be kept the same in an experiment?**

- A. To make the experiment faster
- B. To make the experiment look neat
- C. To make it a fair test
- D. To get the answer you want

**Answers**

- 1. **B**
- 2. **C**
- 3. **B**
- 4. **B**
- 5. **B**
- 6. **C**
- 7. **C**
- 8. **C**
- 9. **C**
- 10. **D**
- 11. **C**
- 12. **C**