

# Exploring Science Year 8

**Exploring Science Revision Worksheet**

Complete the table to show why we need each of the different nutrient groups.

Nutrient	Uses
Carbohydrates	
Fats	For growth and repair
Proteins & Minerals	
Water	

Describe how you would test for a food sample containing starch.

Describe how you would test for a food sample containing protein.

Explain why food labels are so important.

Describe how a particular vitamin is used in the body.

Describe what a balanced diet is.

Sketch up the deficiency diseases to show they are a lack of and how they affect the body.

Calcium	osteon 2	get body
Iron	iron	growth joints
Protein	protein	muscles
Minerals	vitamin 2	different bones

Describe what osteon and osteon are and why they are both forms of osteon.

**For The Periodic Table Revision Worksheet**

Describe what atoms are.

Describe what John Dalton wrote about his atomic theory.

Explain why food labels are so important.

Describe how a particular vitamin is used in the body.

Define the term chemical properties.

Complete the diagram below to show what happens when copper reacts with oxygen.

Define the term physical properties.

Add some examples of physical properties to the golden diagram below.



Describe the physical properties of any element.

Use your periodic table to find the symbols for the following elements:

Oxygen	Iron
Sulfur	Oxygen
Carbon	Mercury

Explain why having chemically agreed upon symbols for elements is important.

Define the term chemical properties.

Complete the diagram below to show what happens when copper reacts with oxygen.

Define the term physical properties.

Add some examples of physical properties to the golden diagram below.



Describe the physical properties of any element.

**All Phases Revision Worksheet**

Draw particle diagrams to represent each state of matter.

Describe the movement of particles in each state of matter.

Describe and explain the properties of solids, liquids and gases.

Define the following key terms:

- Diffusion
- Osmosis
- Active transport

Explain why materials expand when heated and contract when cooled.

Explain why water shows anomalous behavior near its freezing point.

Complete the table below by describing the work each nutrient did to arrange the elements.

Carbon	
Oxygen	
Hydrogen	

Describe how Mendeleev made sure elements fit into groups with similar properties.

On the opposite side write what groups the alkali.

Describe what states pressure in liquids and gases.

Describe what atmospheric pressure is.

From a graph of increasing pressure:

- +
- 
- 
- 

Explain why a parcel of water will start to expand as you cool it a little bit.

Explain why people living far from the shore die of the water.

Label the forces that are acting upon the boat as it is stationary in the water.



Describe how to measure the gifford using open air system.

## Revision Worksheet Bundle

# Exploring Science Revision Sheets

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## **Table of Contents Exploring Science Revision Sheets**

1. Understanding the eBook Exploring Science Revision Sheets
  - The Rise of Digital Reading Exploring Science Revision Sheets
  - Advantages of eBooks Over Traditional Books
2. Identifying Exploring Science Revision Sheets
  - Exploring Different Genres
  - Considering Fiction vs. Non-Fiction
  - Determining Your Reading Goals
3. Choosing the Right eBook Platform
  - Popular eBook Platforms
  - Features to Look for in an Exploring Science Revision Sheets
  - User-Friendly Interface
4. Exploring eBook Recommendations from Exploring Science Revision Sheets
  - Personalized Recommendations
  - Exploring Science Revision Sheets User Reviews and Ratings
  - Exploring Science Revision Sheets and Bestseller Lists

5. Accessing Exploring Science Revision Sheets Free and Paid eBooks
  - Exploring Science Revision Sheets Public Domain eBooks
  - Exploring Science Revision Sheets eBook Subscription Services
  - Exploring Science Revision Sheets Budget-Friendly Options
6. Navigating Exploring Science Revision Sheets eBook Formats
  - ePub, PDF, MOBI, and More
  - Exploring Science Revision Sheets Compatibility with Devices
  - Exploring Science Revision Sheets Enhanced eBook Features
7. Enhancing Your Reading Experience
  - Adjustable Fonts and Text Sizes of Exploring Science Revision Sheets
  - Highlighting and Note-Taking Exploring Science Revision Sheets
  - Interactive Elements Exploring Science Revision Sheets
8. Staying Engaged with Exploring Science Revision Sheets
  - Joining Online Reading Communities
  - Participating in Virtual Book Clubs
  - Following Authors and Publishers Exploring Science Revision Sheets
9. Balancing eBooks and Physical Books Exploring Science Revision Sheets
  - Benefits of a Digital Library
  - Creating a Diverse Reading Collection Exploring Science Revision Sheets
10. Overcoming Reading Challenges
  - Dealing with Digital Eye Strain
  - Minimizing Distractions
  - Managing Screen Time
11. Cultivating a Reading Routine Exploring Science Revision Sheets
  - Setting Reading Goals Exploring Science Revision Sheets
  - Carving Out Dedicated Reading Time
12. Sourcing Reliable Information of Exploring Science Revision Sheets
  - Fact-Checking eBook Content of Exploring Science Revision Sheets
  - Distinguishing Credible Sources
13. Promoting Lifelong Learning

- Utilizing eBooks for Skill Development
  - Exploring Educational eBooks
14. Embracing eBook Trends
- Integration of Multimedia Elements
  - Interactive and Gamified eBooks

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