



Welcome to the World of Science!

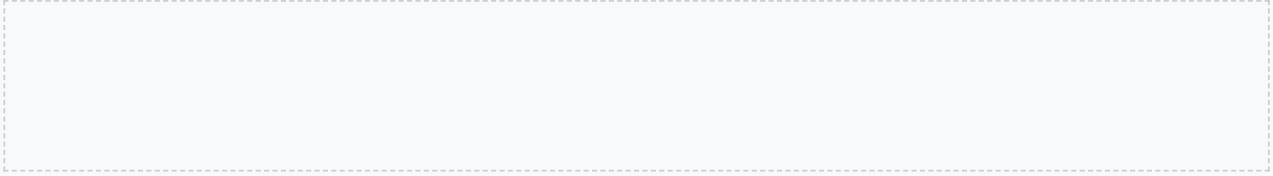
Science is all around us, and it's an essential part of our daily lives. From the food we eat to the gadgets we use, science plays a vital role in shaping our world. In this worksheet, we'll explore the basics of science, its importance in everyday life, and some fun activities to get you started on your scientific journey!

What is Science?

Science is a way of learning about the world around us through observation, experimentation, and evidence. It's a systematic process that helps us understand how things work and why things happen.

Activity 1: Science Scavenger Hunt

Find objects in your home or classroom that demonstrate scientific principles. Take a picture or draw a diagram of each object and explain the science behind it.



The Scientific Method

The scientific method is a step-by-step process used to solve problems and answer questions. It involves:

1. Asking a question
2. Making a hypothesis
3. Conducting an experiment
4. Analyzing data
5. Drawing a conclusion

Activity 2: Design an Experiment

Choose a question you're curious about, and design an experiment to test your hypothesis. What materials will you need? What steps will you take? What do you expect to happen?

Science in Everyday Life

Science is used in many aspects of our daily lives, from cooking and medicine to technology and transportation. Let's explore some examples:

- How does a refrigerator keep your food cold?
- What's the science behind a vaccine?
- How do cars move?

Activity 3: Science in My Life

Think about your daily routine and identify ways science is used. Write a short paragraph explaining how science impacts your life.

Branches of Science

There are many branches of science, including:

- Biology: the study of living things
- Chemistry: the study of matter and its properties
- Physics: the study of energy and motion
- Earth Sciences: the study of our planet and its resources

Activity 4: Science Charades

Act out a scientific concept or principle without speaking. Your classmates have to guess what it is!

Conclusion

Science is an exciting and fascinating subject that's all around us. By understanding the basics of science and its importance in everyday life, you'll be better equipped to navigate the world and make informed decisions. Keep exploring, stay curious, and remember: science is fun!

Assessment

Answer the following questions:

1. What is science, and why is it important?
2. Describe the scientific method and its steps.
3. Give an example of how science is used in your daily life.

Extension Activity

Research a scientific topic that interests you and create a short presentation to share with your class.

Glossary

Define the following terms:

- Hypothesis: an educated guess
- Experiment: a test or trial to prove or disprove a hypothesis
- Observation: the act of noticing or paying attention to something
- Conclusion: a decision or judgment based on evidence

