

Scientific Figures Worksheet

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Part 1: Building a Foundation	
Which of the following is the first step in the scientific method?	
Hint: Think about the initial action taken in scientific inquiry.	
○ A) Experimentation	
○ B) Hypothesis Formation	
○ C) Observation	
O) Conclusion	
Which of the following scientists contributed to the development of the theory	of evolution?
Hint: Consider the scientists known for their work in biology and evolution.	
A) Charles Darwin	
B) Albert Einstein	
C) Gregor Mendel	
□ D) Isaac Newton	
Explain the difference between a scientific law and a scientific theory.	
Hint: Consider the definitions and examples of each.	

List two key contributions of Marie Curie to the field of science.



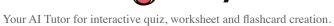
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Hint: Think about her research and discoveries in radioactivity.
1. Contribution 1
2. Contribution 2
Dout O. Communication and Internation
Part 2: Comprehension and Interpretation
Which of the following best describes the role of a control group in an experiment?
Hint: Consider how experiments are structured to test variables.
A) It is the group where the variable is changed.
B) It is the group used to compare results against the experimental group. O) It is the group that receives a double the treatment.
C) It is the group that receives double the treatment.D) It is the group that is ignored in the analysis.
b) It is the group that is ignored in the analysis.
Which of the following are considered ethical considerations in scientific research?
Hint: Think about the principles that guide ethical research practices.
A) Informed consent
B) Data fabrication
□ C) Animal welfare□ D) Confidentiality
b) confidentiality
Describe how technological advancements have impacted society, providing one specific example.
Hint: Consider both positive and negative impacts of technology.



Part 3: Application and Analysis

a scientist observes that plant growth increases with more sunlight, what would be a logical next tep in the scientific method?
lint: Think about what follows an observation in scientific inquiry.
A) Formulate a hypothesis
B) Publish the results
C) Ignore the observation
D) Conclude the experiment
n which scenarios would you apply the concept of significant figures?
lint: Consider contexts where precision in measurement is important.
A) Reporting scientific measurements
B) Writing a fictional story
C) Calculating experimental results
D) Creating a painting
emperature on yeast fermentation. lint: Consider the variables you would control and measure.
Which of the following best analyzes the relationship between gravity and mass?
lint: Think about how gravity behaves in relation to mass.
A) Gravity decreases as mass increases.
B) Gravity is unrelated to mass.
C) Gravity increases as mass increases.
D) Gravity remains constant regardless of mass.





Analyze the contributions of Isaac Newton. Which of the following are directly related to his work?
Hint: Consider Newton's major theories and discoveries.
A) Laws of motion
B) Theory of relativity
C) Calculus
D) Periodic table
Analyze the impact of public understanding of science on policy-making. Provide an example to support your analysis.
Hint: Consider how scientific literacy influences decisions.
Part 4: Evaluation and Creation
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Create a proposal for a new scientific study that addresses a current environmental issue. Include the hypothesis, methodology, and expected outcomes. Hint: Think about a pressing environmental problem and how to investigate it.		
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