

# INTRO TO PHYSICAL SCIENCE

**EDITABLE student notebook pages - digital links included for students to complete guided notes on Google Drive**

Question: Chemistry and Physics are combined in Physical Science because they both focus on the study of what?

**THE SCOPE OF PHYSICAL SCIENCE**

Physical Science – the study of matter and energy, combination of chemistry and physics

- **Chemistry:** the study of matter and energy at the molecular scale; concepts include:
  - Chemicals
  - Types of matter
  - Chemical reactions

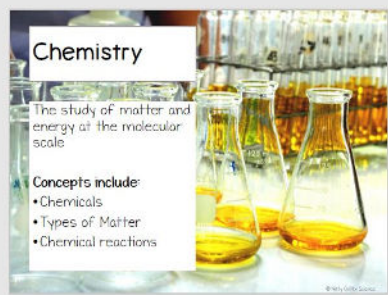
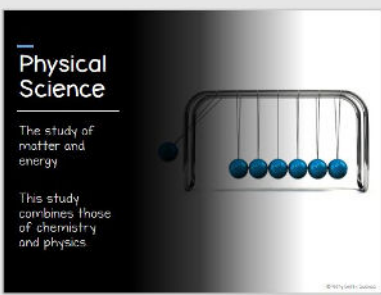
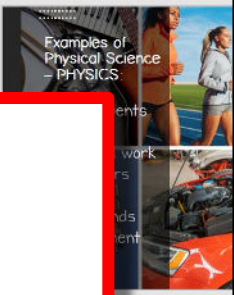
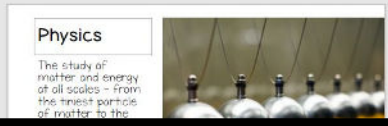
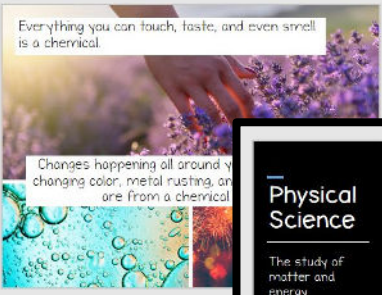
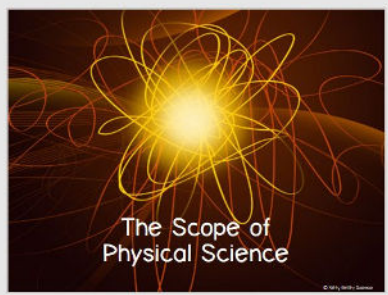
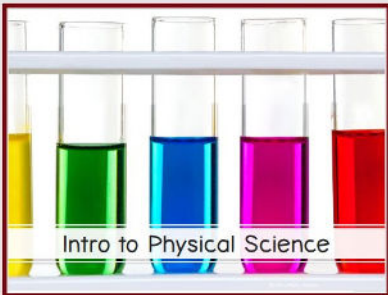
Everything you can touch, taste, and even smell is a chemical. Changes happening around you, such as leaves changing, metals rusting, and even baking are from a chemical change.

- **Physics:** the study of matter and energy from the finest particle of matter to the
  - Motion and Forces
  - Forms of energy
  - How energy interacts with matter

Physics can help you learn about everything in the world around you since everything consists of matter and energy, such as reflections in mirrors, how things fly, and different types of energy.

Examples of Physical Science All Around You:

Chemistry	Physics
Fire burning	
Using batteries	
Cooking	
Dyeing your hair	
Paint colors	
Spoiled milk	
Using plastic	



**EDITABLE PowerPoint presentations include high-resolution graphics and feature all topics and vocabulary covered in the notes**

Name \_\_\_\_\_ Date \_\_\_\_\_

CHAPTER TEST 2018

Choose the answer that best completes each statement.

- 1. Physical Science is the study of matter and energy.  
a. technology  
b. energy  
c. motion  
d. friction
- 2. Everything you touch, taste, and even smell is made of matter.  
a. chemical  
b. liquid  
c. solid  
d. physics
- 3. \_\_\_\_\_ is the study of matter and energy at all scales.  
a. Chemistry  
b. Biology  
c. Physics  
d. Geology
- 4. Technology is the application of \_\_\_\_\_ to solve problems.  
a. discoveries  
b. engineering  
c. chemistry  
d. science
- 5. The technological design process is a \_\_\_\_\_ process.  
a. scientific investigation  
b. theoretical design  
c. hypothetical investigation  
d. energy efficiency
- 6. Which of the following is the final step in the technological design process?  
a. Select the best solution  
b. Identify the problem  
c. Test the model  
d. Communicate the results
- 7. All technological designs have \_\_\_\_\_.  
a. models  
b. options  
c. constraints  
d. evidence

**EDITABLE Chapter test includes multiple choice, fill in the blank, interpreting diagrams, & short Answers questions**

Essay

Choose TWO essays and answer using the space provided.

- 26. Describe the two branches of physical science.
- 27. How are science and technology related? Give one example of a technology that has helped advance science.
- 28. What are examples of physical and social technological design limitations?

**Answer key included – Images are blurred for copyright reasons**



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