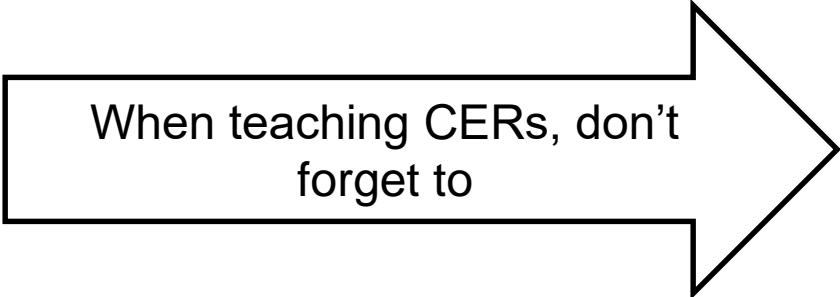


# Physical Science Honors

## Unit 1 Organizers

### Teacher Copy



When teaching CERs, don't forget to

### Teacher Notes

Other Content  
Enhancement Routines  
that can be used during  
this Unit:

- Atomic Theory FRAME

#### Cue Do Review Quick Reference Guide

##### Cue

1. Name the Routine
2. Explain how the routine will help students learn
3. Explain to students how they should participate

##### Do

4. Implement the linking steps
5. Ask students probing questions in order to co-construct the device
6. Provide positive and corrective feedback if necessary

##### Review

7. Ask questions about the critical content on device
8. Ask questions about the learning process and how the device works
9. Model how to use the device as a study tool, guide for doing other work

How atomic properties lead to material properties →

2

LAST UNIT /Experience  
Classroom Expectations

1

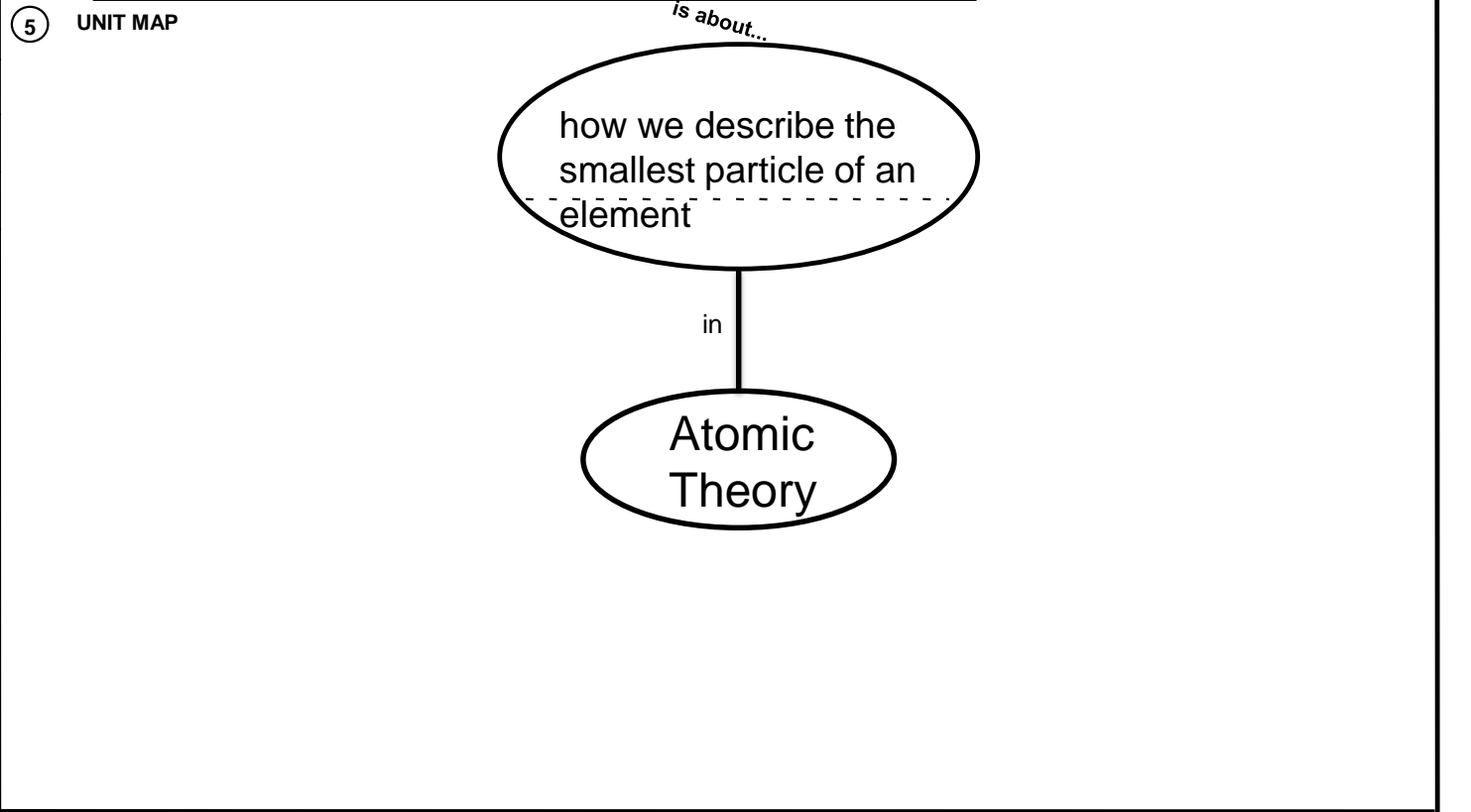
CURRENT UNIT  
Matter: Properties of Atoms

3

NEXT UNIT /Experience  
Matter: Periodic Table

8 UNIT SCHEDULE

	Atomic
	Theory
	Stations
	Rutherford's
	experiment
	FRAME –
	Atomic
	Theory
	Determine
	the AAM



7

UNIT SELF-TEST  
QUESTIONS

1. Explain what happens if Carbon -12 gains a proton? What if it gains a neutron?  
2. Evaluate the impact of Rutherford's gold foil experiment on our current understanding of atomic structure.  
3. Describe the experiment that led to the discovery of the electron. Who conducted it?

6

UNIT  
RELATIONSHIPS

Explore  
Trace  
Identify  
Determine  
Distinguish

## Matter: Properties of Atoms

## ⑨ Expanded Unit Map



Physical Science Honors  
Unit 1 Organizers  
Student Copy

# The Unit Organizer

4 BIGGER PICTURE

NAME \_\_\_\_\_  
DATE \_\_\_\_\_

2 LAST UNIT /Experience	1 CURRENT UNIT	3 NEXT UNIT /Experience
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8 UNIT SCHEDULE

5 UNIT MAP

is about...

in

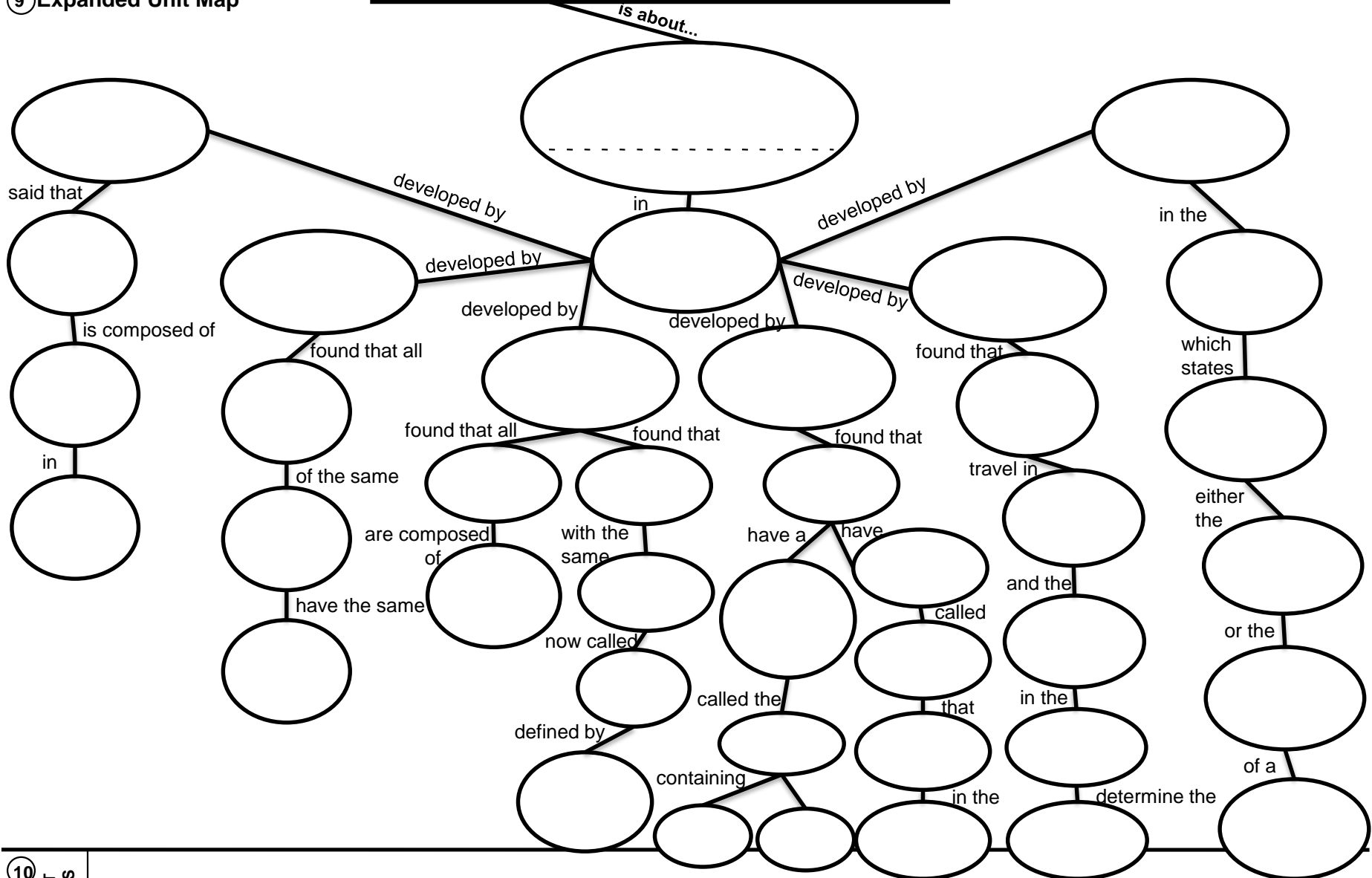
7 UNIT SELF-TEST QUESTIONS	1. Explain what happens if Carbon -12 gains a proton? What if it gains a neutron?	6 UNIT RELATIONSHIPS
	2. Evaluate the impact of Rutherford's gold foil experiment on our current understanding of atomic structure.	

# The Unit Organizer

## Matter: Properties of Atoms

NAME \_\_\_\_\_  
DATE \_\_\_\_\_

### 9 Expanded Unit Map



### 10 NEW UNIT SELF-TEST QUESTIONS