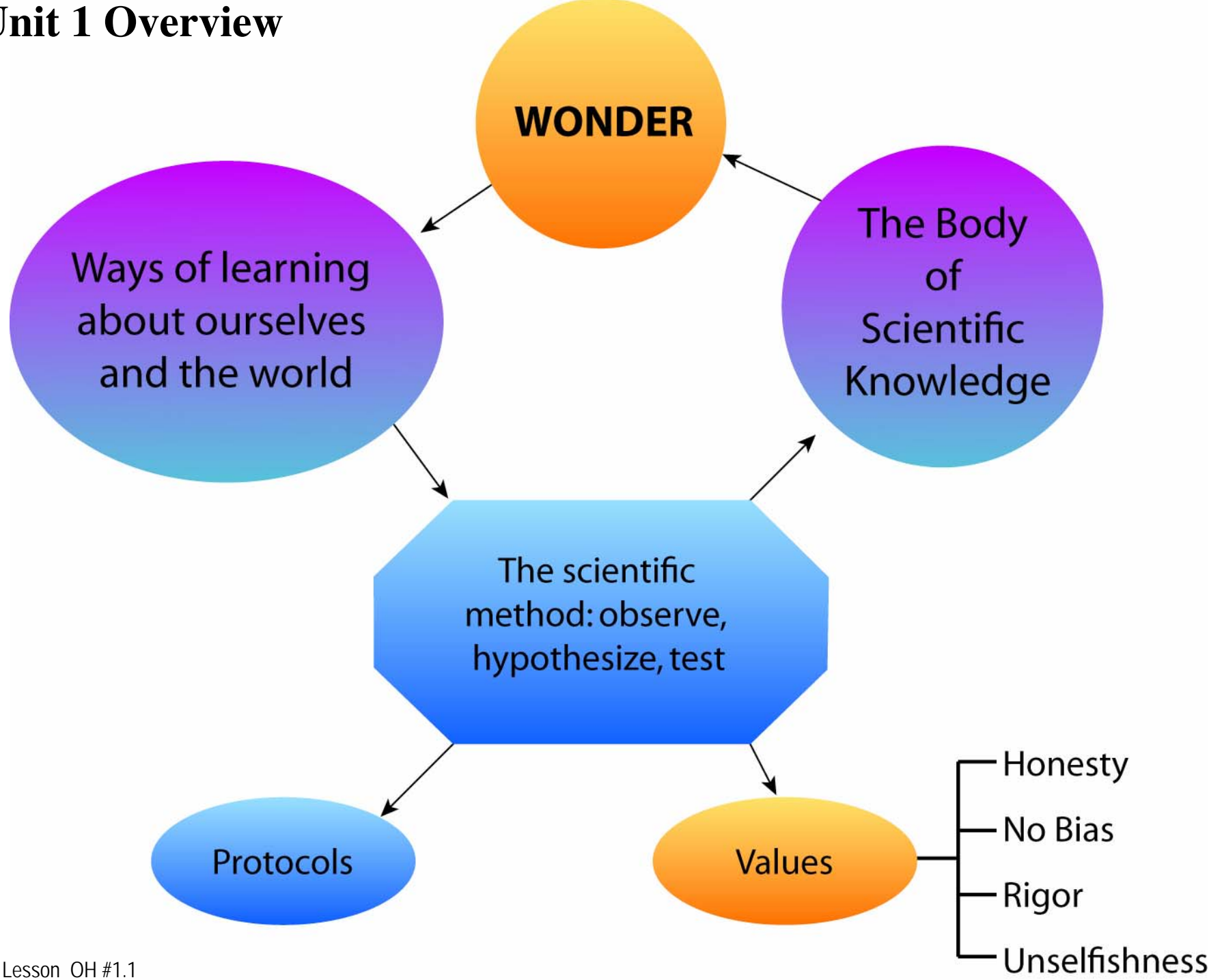


# Unit 1 Overview



# What is Science?

"Science is a way of understanding ourselves, the world, and our place in the world.

We "do" science for survival as well as for fun."

Dr. David Perry

(e.g., solving puzzles, creating a new product, making predictions).





# What is Science?

Name: \_\_\_\_\_ Date: \_\_\_\_\_ Per: \_\_\_\_\_

## Definitions

Science is a way of understanding ourselves, the world, and our place in the world.

We do science for survival as well as for fun.  
(e.g., solving puzzles, creating a new product,  
making predictions).

Science involves...

- ... finding patterns in the environment  
or in ourselves,
- ... understanding the relationship of  
those patterns to other things, and
- ... using that understanding to increase the  
probability of success in what we do."

*Source: David Perry, 2003*

## Questions, Comments, Pictures

# Science Involves....

- ⇒ finding patterns in the environment or in ourselves
- ⇒ understanding the relationship of those patterns to other things and
- ⇒ using that understanding to increase the probability of success in what we do.



Source: David Perry, 2003

Science helps us understand ourselves, our world, and our place in the world. We study science for survival and for fun (by solving puzzles, making predictions).

It involves

**-OBSERVING PATTERNS**

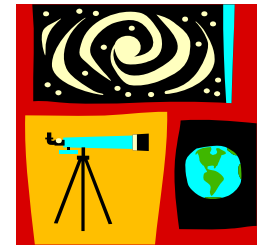
(in the environment or in ourselves)

**-UNDERSTANDING THE RELATIONSHIP**

of those patterns to other things

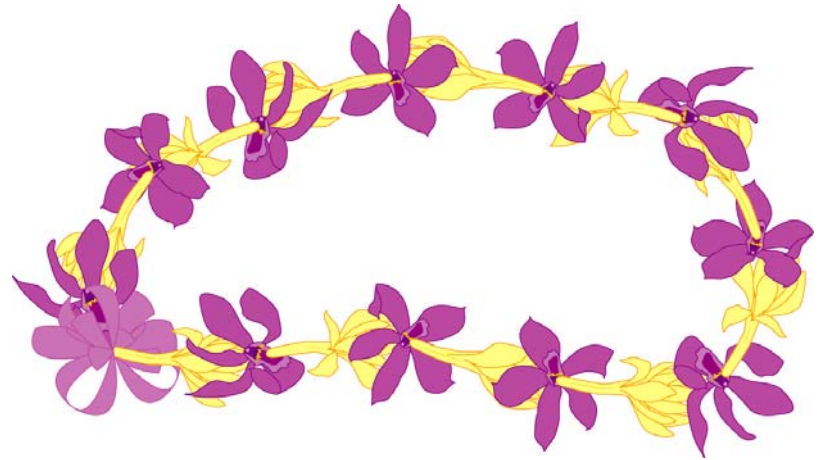
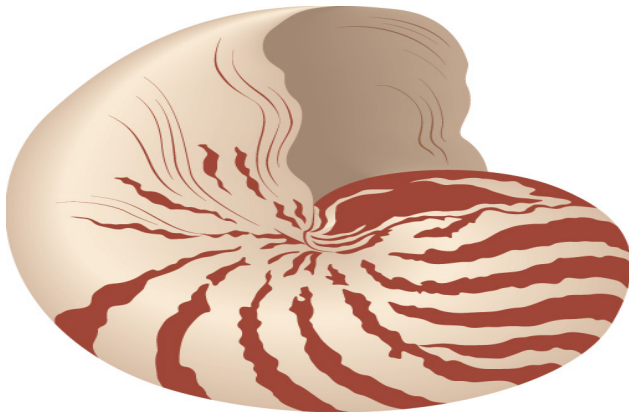
**-USING THAT KNOWLEDGE**

to increase the probability of success in what we do.



# A Pattern is a...

- regular or repeated form, order, or arrangement of things in space















- sequence of events in time

# People Patterns

Name \_\_\_\_\_ Date \_\_\_\_\_ Per: \_\_\_\_\_

(Pattern: A regular or repeated form, order, or arrangement of things in space; a sequence of events in time)

<p>A place your mother's family is from</p> <p>_____</p>  <p>A place your father's family is from</p> <p>_____</p>	<p>Time you usually go to sleep</p> <p>_____</p>  <p>Time you usually wake up</p> <p>_____</p>	<p>One chore or job you find easy to do.</p> <p>_____</p> 	<p>One chore or job you find either boring, hard or challenging to do.</p> <p>_____</p> 
<p>Favorite thing you enjoy doing outside of school.</p>  <p>_____</p>	<p>To show what you know about science, you would rather create a:</p> <p> <input type="checkbox"/> story      <input type="checkbox"/> poem  <input type="checkbox"/> picture    <input type="checkbox"/> song  <input type="checkbox"/> graph      <input type="checkbox"/> dance  <input type="checkbox"/> other...         </p> <p>( _____ )</p> <p><i>what?</i></p> 	<p>Something you could eat almost every night for dinner</p>  <p>_____</p>	<p>Favorite musical group</p> <p>_____</p> 
<p>Sport or physical activity you do the most</p> <p>_____</p> 	<p>First thing you usually do when you come home from school</p> <p>_____</p> 	<p>Place and time you do your homework</p> <p>_____</p> <p>where</p> <p>_____</p> <p>when</p> 	<p>All time favorite snack</p> <p>_____</p> 

# A Protocol is a...

## 1. procedure



established method of doing something

Examples:

## 2. code of behavior



appropriate actions for a group,  
place, or situation

Examples:

## 3. set of rules



correct way or system of behavior

Examples:








# Protocols in My World

(Protocol: A procedure; code of behavior;  
set of rules; established way)

Name \_\_\_\_\_ Date \_\_\_\_\_ Per: \_\_\_\_\_

**Directions:** Write or draw 2 or more protocols for each category.

Category	Protocols I've Noticed	Protocols Shared with Me
<b>Family and Culture*</b>  *group *place 	Example: Celebrate birthdays at the beach; eat sashimi on New Years	
<b>Classroom and School</b>  	Example: Raise your hand to ask a question; walk in walkways	
<b>Home and Neighborhood</b>  	Example: Hug to say hello; wave to passengers in cars	

I gathered ideas from: \_\_\_\_\_

Their signature(s): \_\_\_\_\_

Comments: \_\_\_\_\_



# HOMework

**WHAT:** Protocols in My World worksheet

**HOW:**

1. Complete Protocols I've Noticed section.
2. Complete Protocols Shared With Me with an adult.
3. Add worksheet to Table of Contents.