

SCIENCE UNIT 3 REVIEW

Grade 3

Life Cycles, Traits & Variation

Name: _____

Class: _____

Date: _____

LIFE CYCLES & INHERITED TRAITS

1 LIFE CYCLE ORDER

Number the stages from 1 to 4.

- ___ Maturity
- ___ Life begins
- ___ Reproduction
- ___ Growth and development



2 WHAT IS A LIFE CYCLE?

Circle the correct answer.

What is a life cycle?

- A. A place where an organism lives
- B. The series of changes in the life of an organism
- C. The food an organism eats
- D. The color of an organism

3 PHYSICAL OR BEHAVIORAL?

Write P for Physical Trait or B for Behavioral Trait.

Trait	P or B
Eye color	_____
Playful	_____
Long tail	_____
Friendly	_____

4 INHERITED TRAITS

Which is an inherited trait?

- A. Riding a bike
- B. Natural eye color
- C. Reading a book
- D. Playing the piano



5 PARENT AND OFFSPRING

Look at the parent dog and puppy.

Circle TWO traits that the puppy could inherit.

- Fur color
- Riding a bike
- Eye color
- Reading



ACQUIRED TRAITS & VARIATION

6 INHERITED OR ACQUIRED?

Write I for Inherited or A for Acquired.

- | |
|-----------------------------|
| ___ Curly fur |
| ___ Riding a bike |
| ___ Purple flowers |
| ___ A scar from an accident |

7 ACQUIRED TRAITS

An acquired trait is a trait that you _____ or develop during life.

WORD BANK:

learn
inherit
reproduce

8 WHAT IS VARIATION?

Choose the correct answer.

Variation means:

- A. Every organism is exactly the same
- B. Differences in traits among individuals of the same species
- C. A stage of the life cycle
- D. A trait learned at school



9 VARIATION IN ANIMALS



Why can white fur help a rabbit in snowy places?

- A. It helps the rabbit blend into the snow
- B. It makes the rabbit taller
- C. It helps the rabbit eat more
- D. It makes the rabbit run faster

10 WHY IS VARIATION IMPORTANT?

Variation can help living things



WORD BANK:

survive in their environment
become exactly the same
stop growing

REMEMBER!

Life Cycle:

Life begins → Growth and Development → Maturity → Reproduction

Inherited Trait:

A trait passed from parents to offspring

Acquired Trait:

A trait learned or developed during life

Variation:

Differences in traits among individuals of the same species