

Heredity Packet;

Name _____ Hr. _____

Unit 13; Can the Environment Affect Inherited Traits?

Multiple Choice;

- _____ 1. The environment affects the development of _____.
A. traits B. genes C. chromosomes
- _____ 2. When the environment is not right _____.
A. living things turn yellow.
B. living things starve.
C. certain traits may not develop.
- _____ 3. Genes for a trait _____.
A. change when the environment changes.
B. are not affected by the environment.
C. are not needed in a good environment.
- _____ 4. When the environment is "normal," _____.
A. genes change. B. living things develop normally.
C. genes develop normally.

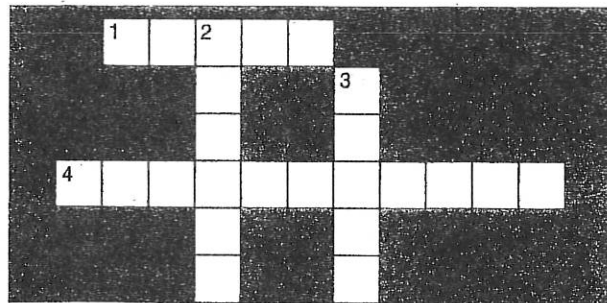
Now Try This;

ACROSS

1. important part of the environment
4. factor important to living things

DOWN

2. what environment affects
3. not affected by environment



Finding out more:

Read this section, then put the steps into the correct laboratory procedure.

Question (Problem) _____

Hypothesis _____

Procedure _____

Observation _____

Unit 13: Can Traits Be Blended?

Multiple Choice;

- _____ 1. Gene combinations in which the traits of both genes show are called ____.
A. dominance B. blending C. grouping
- _____ 2. Blending is found only in _____.
A. pure dominants B. pure recessives C. hybrids
- _____ 3. A symbol used to show hybrid blending is _____.
A. BB B. Bb C. BW

Short answer;

If two hybrid gray chickens are mated, what percent of their offspring will be pure black?

_____ %

How many of their offspring will be hybrid gray?

_____ %

How many of their offspring will be pure white?

_____ %

Finding Out More;

True or False:

- _____ 1. Melanin gives skin its color.
- _____ 2. Six pairs of genes control skin color.
- _____ 3. All genes that control skin color are dominant.
- _____ 4. Genes that control skin color are found in melanin.
- _____ 5. The more melanin found in skin, the lighter the color.