

Variation Worksheet

Multiple choice:

1. Inside the nucleus, genes are found on which of the following?

   A. Chloroplast
   B. Chromosomes
   C. Mitochondria
   D. Vacuole

2. Which type of reproduction will produce offspring that are genetically identical to the parent organism?

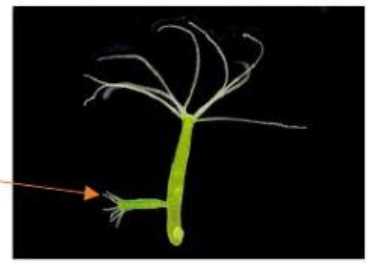
   A. Sexual reproduction
   B. Asexual reproduction
   C. Both
   D. Neither

3. The passage of genetic instructions from one generation to the next is known as _____.

   A. Heredity
   B. Variation
   B. Adaptation
   D. Natural selection

4. The diagram shows how a hydra reproduces by budding. Hydra belongs to the animal kingdom.

A bud forms on the parent and breaks off to live independently of the parent. Budding only requires one parent.



Which statement best describes the newly formed organism?

   A. It received half its' genetic material from the parent
   B. It has genetic material from both parents
   C. It is genetically identical to the parent
   D. None of the above.

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Select the correct answer from the drop down options.



1. All the dogs belong to the same .
2. Long and short hair, short and long snout, floppy and pointy ears are all examples of within the dog family.
3. All the dogs are thoroughbreds. For each type, this means ability to survive environmental changes, e.g. disease.

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