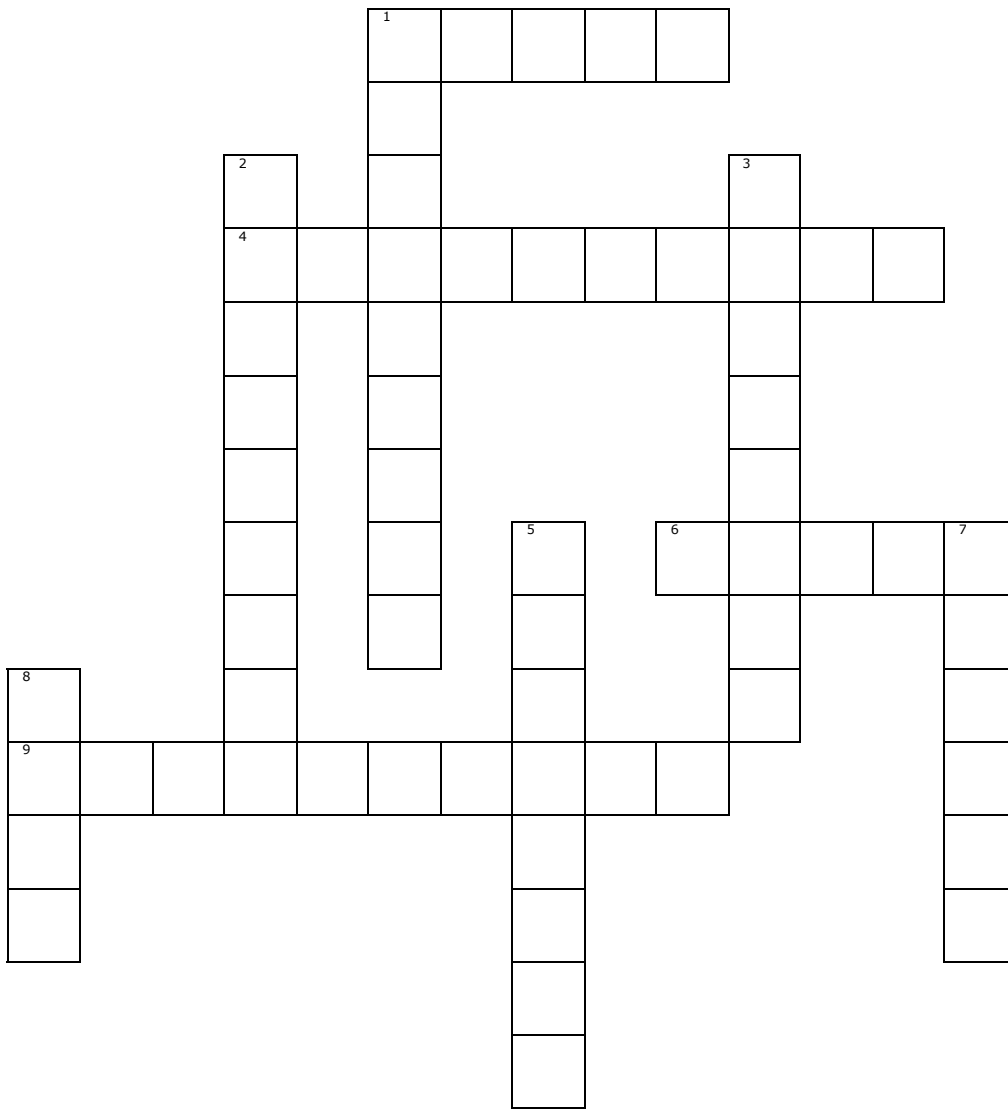


Name \_\_\_\_\_

## ZEBRAFISH CROSSWORD PUZZLE (LEVEL 1)



### Across

- 1 The defining feature of vertebrates
- 4 An individual with two identical copies of the same gene
- 6 A young organism that is physically very different from a juvenile or an adult
- 9 How we test our ideas in science

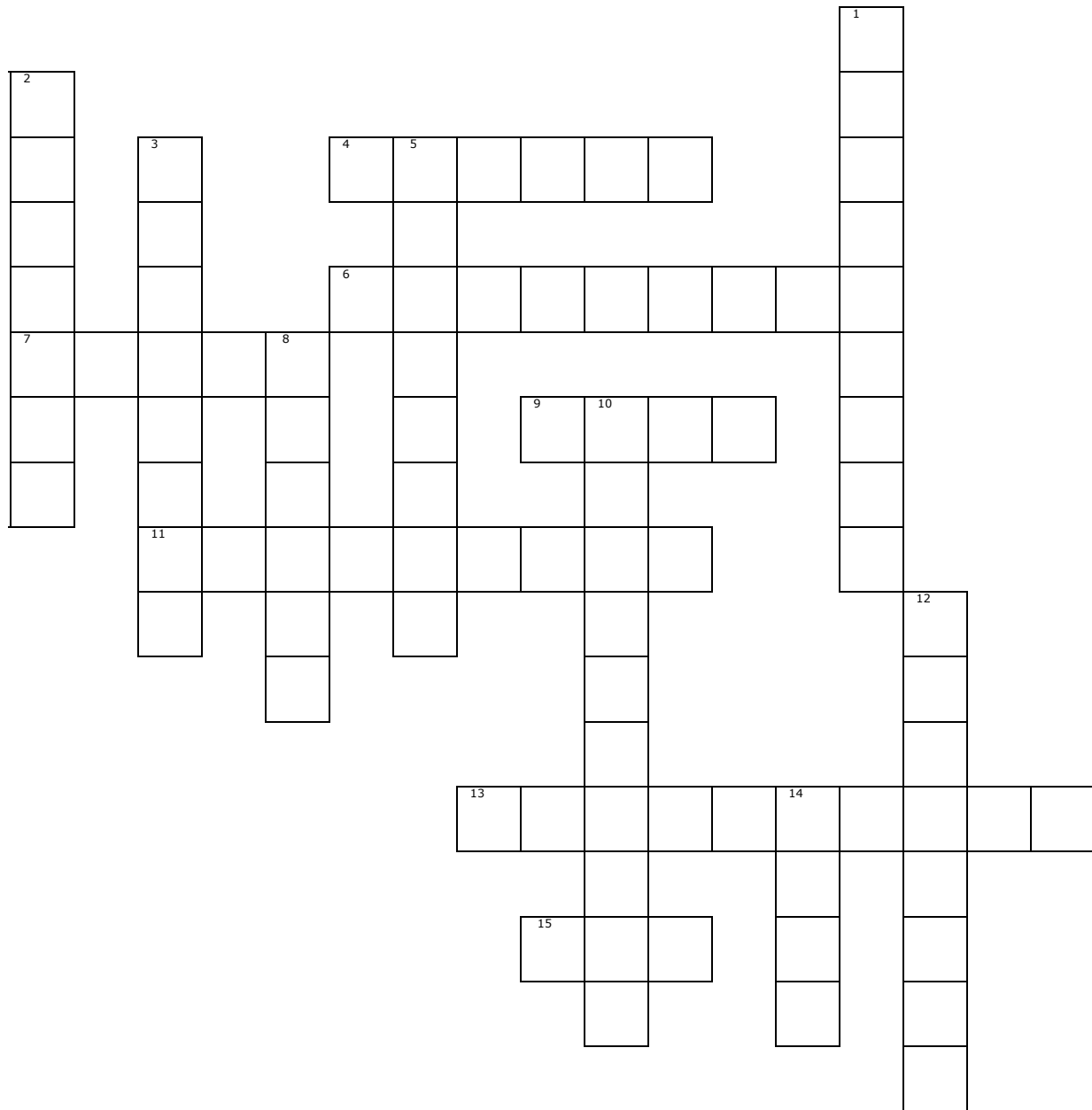
### Down

- 1 Unspecialized cells that can become any cell in the body (2 words)
- 2 The physical or detectable manner in which a gene is expressed.
- 3 These traits need only one copy of their gene present in order to be expressed
- 5 The study of biological inheritance of traits
- 7 A variant of a specific gene
- 8 A section of DNA that affects a specific trait



Name \_\_\_\_\_

## ZEBRAFISH CROSSWORD PUZZLE (LEVEL 2)



### Across

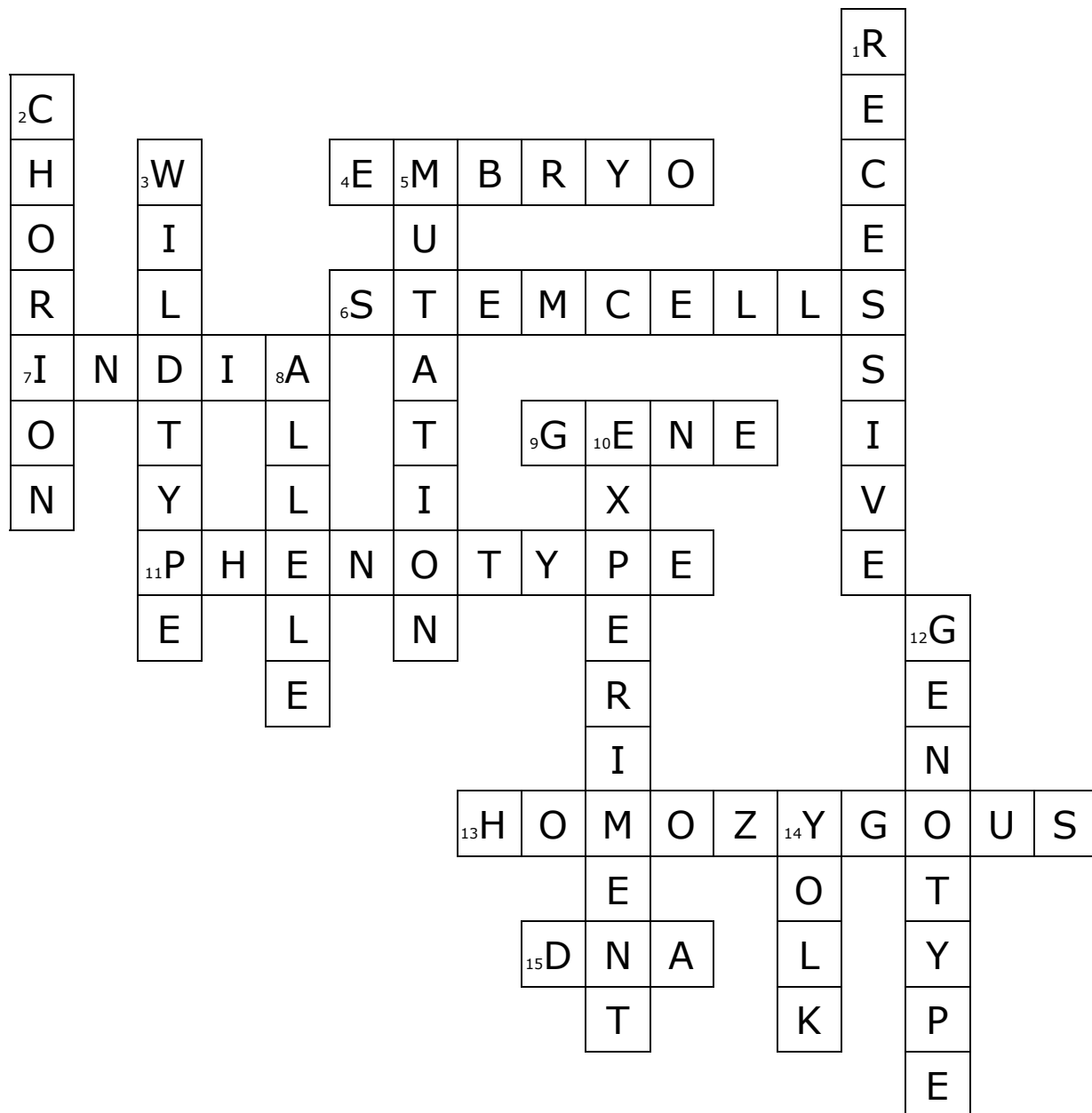
- 4 A developing organism that has not yet been born or hatched
- 6 Unspecialized cells that can become any cell in the body (2 words)
- 7 The country where wild zebrafish are most often found
- 9 A section of DNA that affects a specific trait
- 11 The physical or detectable manner in which a gene is expressed.
- 13 An individual with two identical copies of the same gene
- 15 The molecule containing all of an organism's genetic information

### Down

- 1 These traits need two copies of their gene present in order to be expressed
- 2 Surrounds and protects the fish embryo
- 3 The most common appearance of a certain organism in the wild
- 5 A change in a gene, sometimes resulting in a trait different from the parent
- 8 A variant of a specific gene
- 10 How we test our ideas in science
- 12 The genetic makeup for a certain trait
- 14 Provides nourishment to the fish embryo

Name \_\_\_\_\_

## ZEBRAFISH CROSSWORD SOLUTION (LEVEL 2)



### Across

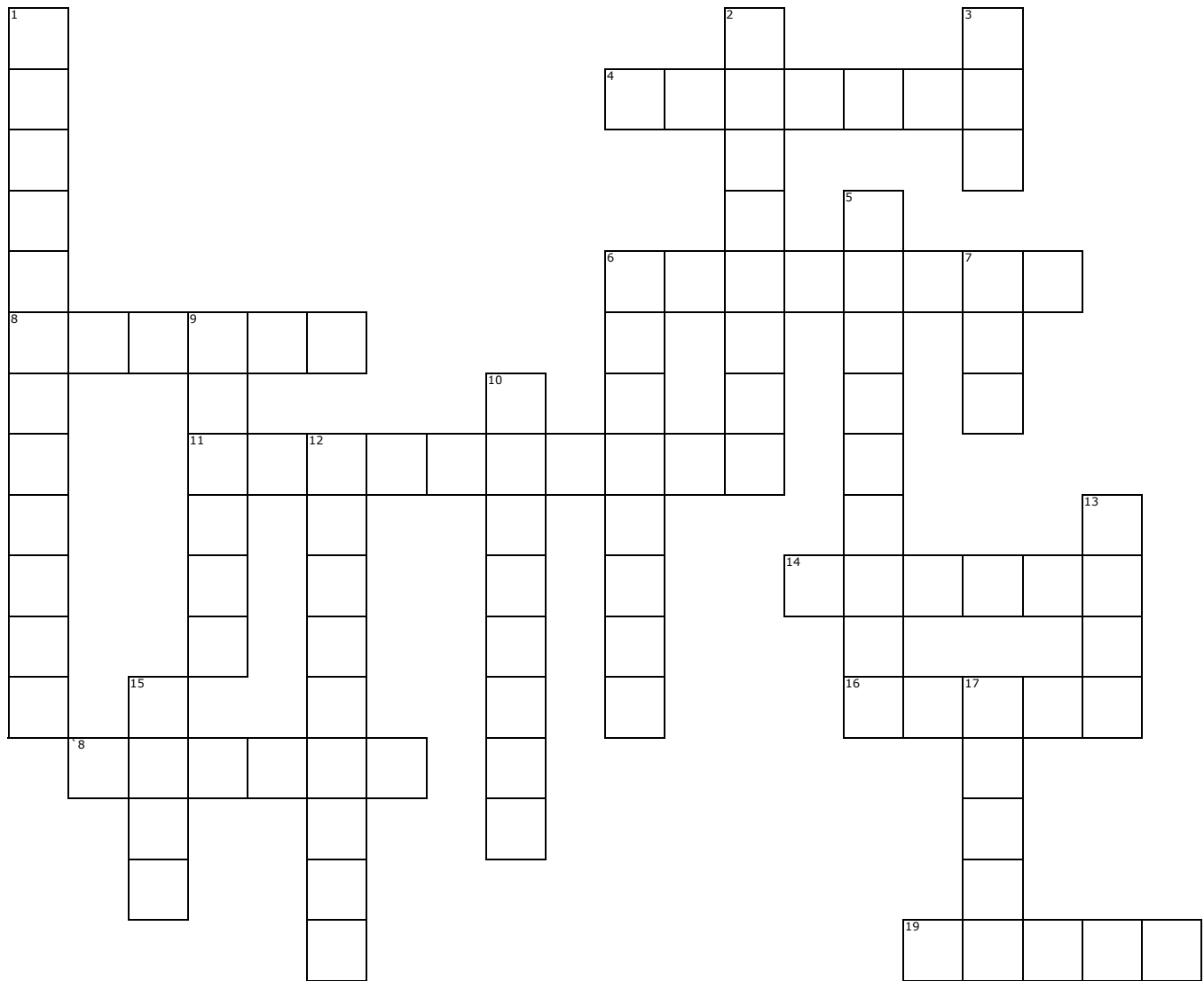
- 4 A developing organism that has not yet been born or hatched  
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### Down

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 14 Provides nourishment to the fish embryo

# ZEBRAFISH CROSSWORD PUZZLE (LEVEL 3)

(MAY ALSO BE DONE ON JOURNAL PAGE 20)



## Across

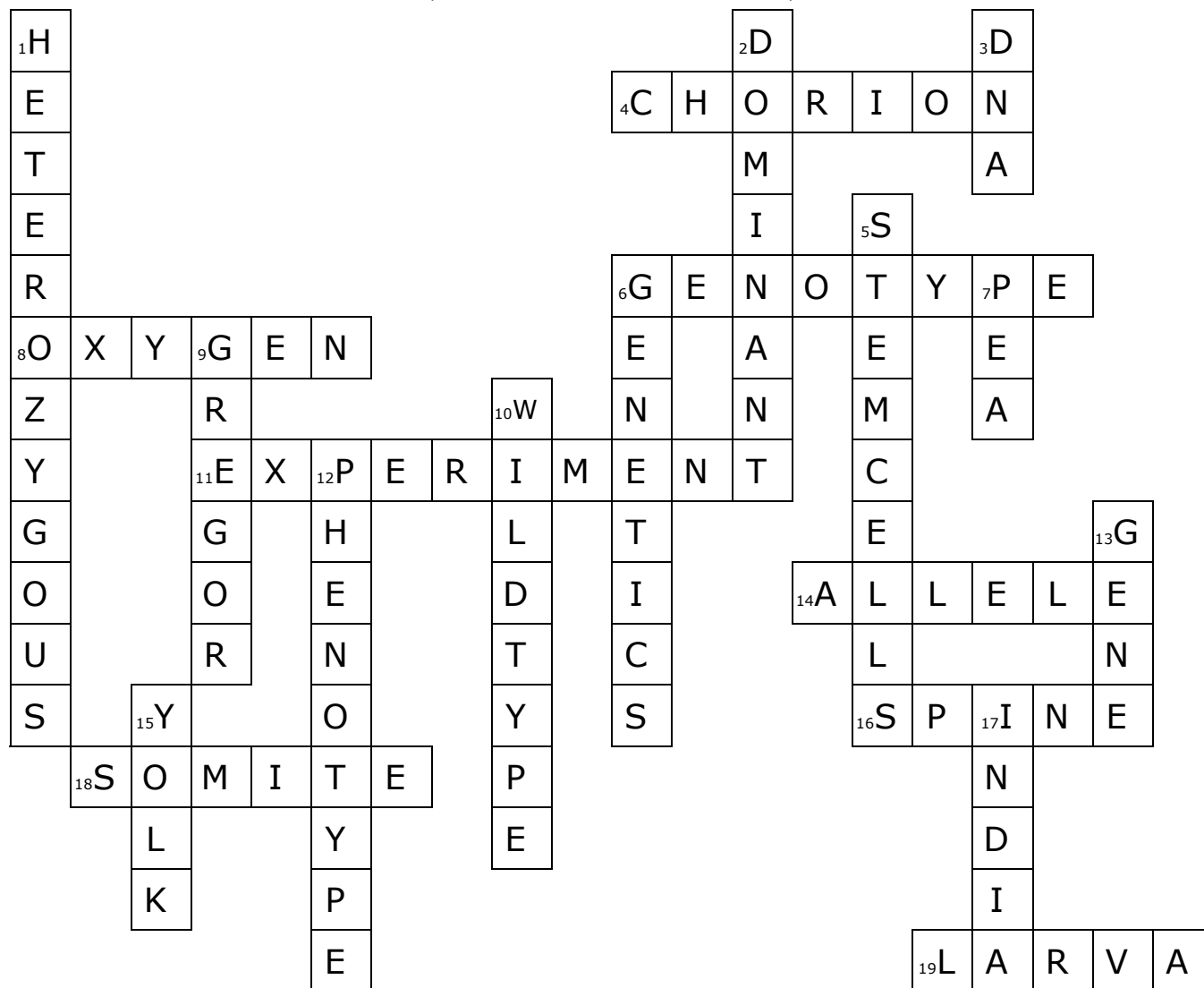
- 4 Surrounds and protects the fish embryo
- 6 The genetic makeup for a certain trait
- 8 Element in air and dissolved in water that both humans and fish need
- 11 How we test our ideas in science
- 14 A variant of a specific gene
- 16 The defining feature of vertebrates
- 18 An embryonic body segment that will turn into skin, muscle, and bone
- 19 A young organism that is physically very different from a juvenile or an adult

## Down

- 1 An individual with two different versions of the same gene
- 2 These traits need only one copy of their gene present in order to be expressed
- 3 The molecule containing all of an organism's genetic information
- 5 Unspecialized cells that can become any cell in the body (2 words)
- 6 The study of biological inheritance of traits
- 7 The type of plant that Mendel experimented with
- 9 \_\_\_\_\_ Mendel's experiments laid the groundwork for modern genetics
- 10 The most common appearance of a certain organism in the wild
- 12 The physical or detectable manner in which a gene is expressed.
- 13 A section of DNA that affects a specific trait
- 15 Where a fish embryo gets its nourishment from
- 17 The country where wild zebrafish are most often found

# ZEBRAFISH CROSSWORD SOLUTION (LEVEL 3)

(FROM JOURNAL PAGE 20)



## Across

- 4 Surrounds and protects the fish embryo
- 6 The genetic makeup for a certain trait
- 8 Element in air and dissolved in water that both humans and fish need
- 11 How we test our ideas in science
- 14 A variant of a specific gene
- 16 The defining feature of vertebrates
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