

# Invertebrates

## Materials:

- Scissors
- Brass paper fastener
- Cipher wheel (pages 2 and 3 of this worksheet)
- Invertebrates Cipher Code Fact Cards (pages 4 through 7 of this file)

## Assembling the Cipher Wheel

**Step 1:** Print the cipher wheels on thick card stock.

**Step 2:** Carefully cut out the inner and outer wheel.

**Step 3:** Attach the inner wheel to the outer wheel, using a brass paper fastener.



## Cracking the Code

Spin the wheel to match the letters and numbers at the top of the fact card. (example: 36 = I)

Keep the wheel in this position as you search for the correct letter match to each number on the fact card.

Write the correct letters in the blank spaces on the fact card.

When the fact is done, read the fact about Invertebrates.

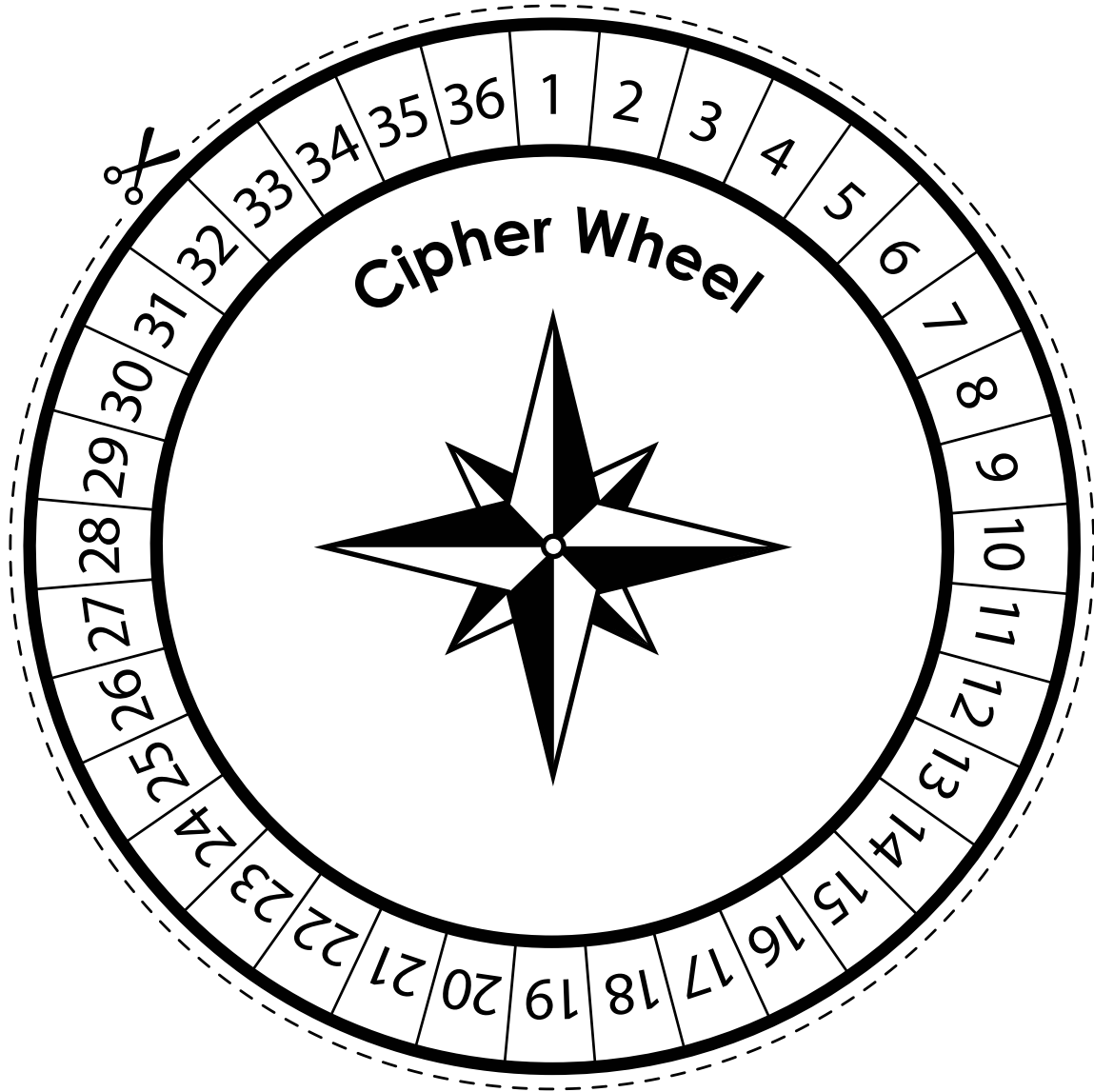
## Suggestions for Teachers

In order for the wheel to work correctly, the brass paper fastener must be pushed through the exact center of the wheel. Your students may need help with this step.

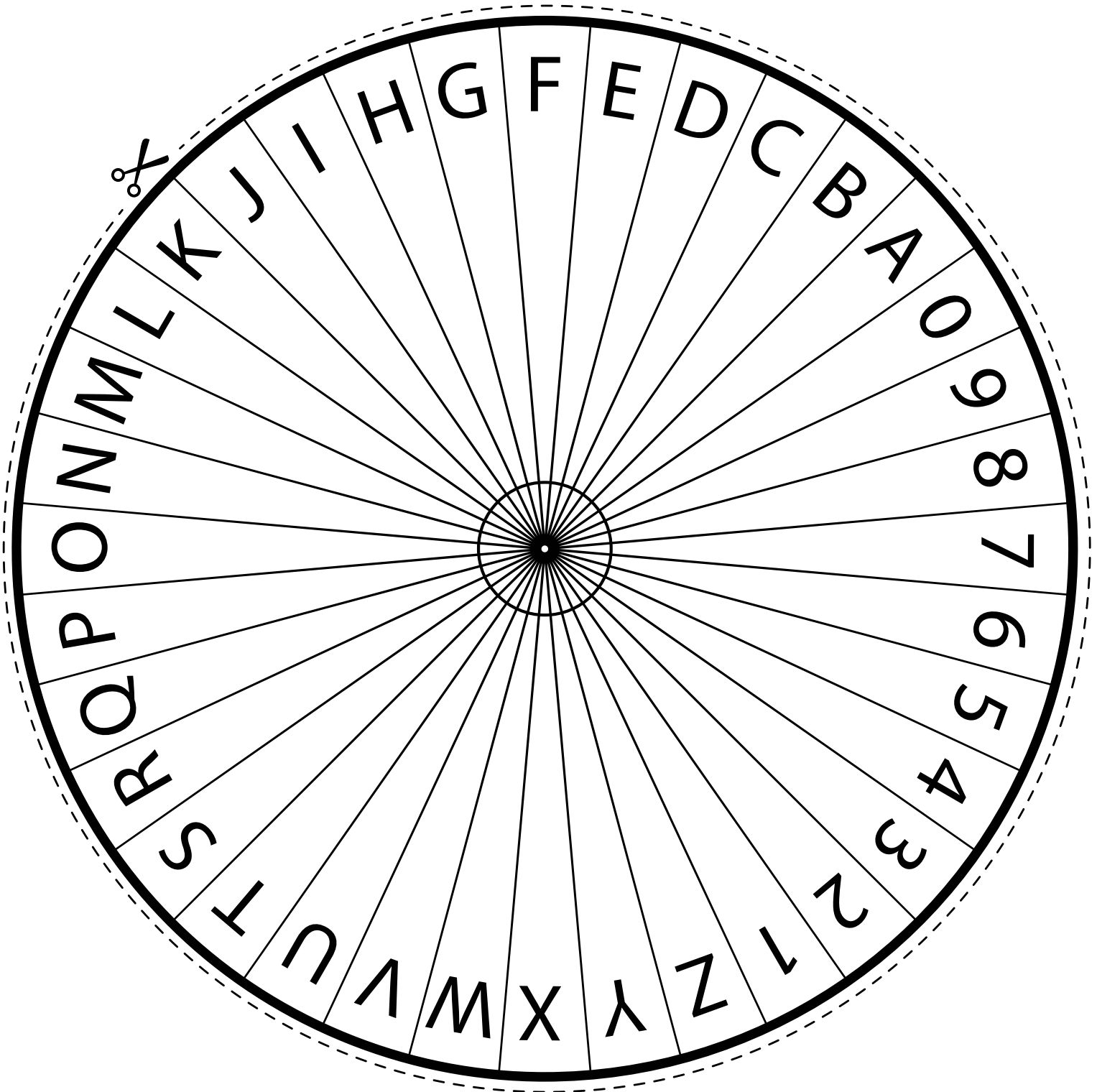
Have students save their cipher wheel for future activities. We have cipher code fact cards covering many topics on *SuperTeacherWorksheets.com*.

The entire activity does not need to be completed in one day. You may want to have students work on this activity for a short period of time each day until they've completed all of the fact cards.

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## Invertebrates Fact #1

Use your Cipher Wheel to decode a fact about Invertebrates.  
Use **33 = G** as the reference point on your wheel.

31 26 18 35 22 20 35 2 22 3 20 35 21

3 22 35 3 26 31 27 3 28 21

20 32 3 20 36 25 26 25 20

32 3 18 35 3 2 3 1 29 2 25 26 35 .



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## Invertebrates Fact #2

Use your Cipher Wheel to decode a fact about Invertebrates.  
Use **13 = B** as the reference point on your wheel.

12 33 30 32 31 14 12 10 14 1 32

14 33 10 14

8 33 36 30 35 36 9

6 1 29 10 33 31 10 13 33 14 31 10 14 31 7 14 31

6 1 12 3 30 11 10 32 3 36 13 32 31 10 33 32 ,

12 33 14 13 32 , 14 1 11 32 7 33 6 2 35 .



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### Invertebrates Fact #3

Use your Cipher Wheel to decode a fact about Invertebrates.  
Use **6 = Z** as the reference point on your wheel.



13 12 31 14 26 23 13 24                      31 14 27

18 17 12                      14 27 31 20 20 7

26 23 13 24                      12 24 27 7

31 14 27                      23 18 10 27 14 12 27 30 14 31 12 27 13

12 24 27 7                      24 31 10 27                      18 17                      30 14 31 23 18

17 14                      30 20 17 17 28                      12 24 27 7                      27 31 12

29 20 31 19 13                      19 11 13 13 27 20 13

13 18 31 23 20 13                      31 18 28                      26 23 13 24



## Invertebrates Fact #4

Use your Cipher Wheel to decode a fact about Invertebrates.

Use **30 = K** as the reference point on your wheel.



22 25 32 1 36 23 22 ,

22 2 26 23 25 32 26 27 22 ,

4 27 1                      21 32 2 30 22

4 23 36                      4 23 4 2 33 27 32 1 22 .                      21 33 36 16

33 4 19 36                      36 32 34 33 21                      29 36 34 34 22

4 27 1                      21 18 26                      3 26 1 16

22 36 34 28 36 27 21 22 .



### Invertebrates Fact #3

Use your Cipher Wheel to decode a fact about Invertebrates.

Use **17 = N** as the reference point on your wheel.



16 17 26

16 25

11 23 26

12 22 18 15 19 26 12 11

22 17 9 26 13 11 26 29 13 30 11 26 12

22 12

11 23 26

12 26 30

12 15 16 17 24 26

22 11

12 15 26 17 27 12

22 11 12

19 22 25 26

30 11 11 30 28 23 26 27

11 16

11 23 26

16 28 26 30 17

25 19 16 16 13

22 11

23 30 12

17 16

23 26 30 13 11 ,

29 13 30 22 17 ,

18 10 12 28 19 26 12 ,

16 13

18 16 10 11 23 .

# Invertebrates

## **Invertebrates Fact #1**

Invertebrates are animals that do not have a backbone.

## **Invertebrates Fact #2**

Crustaceans are a group of invertebrates that includes lobsters, crabs, and shrimp.

## **Invertebrates Fact #3**

Starfish are not really fish. They are invertebrates. They have no brain or blood. They eat clams, mussels, snails, and fish.

## **Invertebrates Fact #4**

Spiders, scorpions, and ticks are arachnids. They have eight legs and two body segments.

## **Invertebrates Fact #5**

One of the simplest invertebrates is the sea sponge. It spends its life attached to the ocean floor. It has no heart, brain, muscles, or mouth.

