

# Listening Comprehension



**Cuttlefish**  
Ultimate Shape Shifters

Most of us camouflage. Cuttlefish are part of the cephalopod family—you know, like octopuses and squids. Find out how these amazing sea creatures use three colors, two layers of skin and papillae to make them the ultimate shape shifters.

Name: \_\_\_\_\_

Before you listen: Think about what you already know (believe). Think about what you want to know. Make a prediction about what might be about it, etc. Read through the questions. Vocabulary use context clues to determine meaning.

While you listen: Listen for answers to questions you have or have been asked to find. Take notes, doodle, or create graphics pertaining to what you are listening to. Write you get bored, tune out, or find an idea difficult to understand. If that's the case, you don't have to continue if the end to listen again!

After you listen: All if you were able to understand the main idea of the passage. Review your notes. Have you able to accomplish the task correctly? Listen again as many as needed.

- List at least 3 characteristics of the cuttlefish that the female narrator mentions at the beginning.
  - A. Chameleons are the world's greatest shape shifters
  - B. Cuttlefish are boring creatures
  - C. Cephalopods are fascinating marine animals
  - D. Chameleons and cephalopods are capable of the same amazing adaptations
- Roger Handlin would most likely agree
  - A. Chameleons are the world's greatest shape shifters
  - B. Cuttlefish are boring creatures
  - C. Cephalopods are fascinating marine animals
  - D. Chameleons and cephalopods are capable of the same amazing adaptations
- How do cuttlefish and other cephalopods change their color?
  - A. Millions of tiny colored organs filled with color pigment in their skin called chromatophores.
  - B. They have red, brown, and yellow muscles that they stretch to change colors.
  - C. Since they are in the same family as an octopus they used colored ink to dye their skin based on their surroundings.
  - D. They have scales that were caused by the reflection of the sun on the water.
- Cuttlefish have a layer of proteins in their skin that act as reflectors. These proteins allow them to change to the following colors: One layer of skin has reflectors (proteins in their skin) to give off blues/ greens/ purples
  - A. Red, Yellow, and Brown
  - B. Blue, Green
  - C. Purple
  - D. None of the above
  - E. Both B and C
- True or False: Not only can cuttlefish change the color of their skin, they can even change texture of their skin to match their surroundings.
  - If true describe how they are able to change the texture of their skin.
- Fill in the blank: Cuttlefish can change shape as fast as \_\_\_\_\_ of a second.

**Cuttlefish**  
Ultimate Shape Shifters

Most of us camouflage. Cuttlefish are part of the cephalopod family—you know, like octopuses and squids. Find out how these amazing sea creatures use three colors, two layers of skin and papillae to make them the ultimate shape shifters.

**Answer key**

- List at least 3 characteristics of the cuttlefish that the female narrator mentions at the beginning.
  - Skin changes color and texture
  - Skin extends beyond the body
  - 3 colors
- Roger Handlin would most likely agree
  - Cuttlefish are boring creatures
  - Cephalopods are fascinating marine animals
  - Chameleons and squid are capable of the same amazing adaptations
- How do cuttlefish and other cephalopods change their color?
  - Millions of the colored organs that with color pigment in their skin called chromatophores
  - They have red, brown, and yellow muscles that they stretch to change colors.
  - Since they are in the same family as an octopus they used colored ink to dye their skin based on their surroundings.
  - They have scales that were caused by the reflection of the sun on the water.
- Cuttlefish have a layer of proteins in their skin that act as reflectors. These proteins allow them to change to the following colors: One layer of skin has reflectors (proteins in their skin) to give off blues/ greens/ purples
  - Red, Yellow, and Brown
  - Blue, Green
  - Purple
  - None of the above
  - Both B and C
- True or False: Not only can cuttlefish change the color of their skin, they can even change texture of skin to match surroundings.
  - True describe how they are able to change the texture of their skin:
    - Skin extends beyond the body, making it long and papery or stiff and flat, etc.
- Fill in the blank: Cuttlefish can change shape as fast as \_\_\_\_\_ of a second.
  - One-tenth

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teaching  
on  
Lemon Lane





# Cuttlefish

## Ultimate Shape Shifters



Masters of camouflage, cuttlefish are part of the cephalopod family – you know, like octopuses and squids. Find out how these amazing sea creatures use three colors, two layers of skin and papillae to make them the ultimate shapeshifters.

### Answer key

1. List at least 3 characteristic of the cuttlefish that the female narrator mentions at the beginning:

**Skin changes color and texture**

**Same animal kingdom as octopuses**

**3 hearts**

**Has a beak**

**Long oval shape 8 arms by head**

**Color changing skin**

**Cephalopods**

**Widen around the edge that helps it swim**

**Master of camouflage**

2. Roger Handlin would most likely agree

A. Chameleons are the world's greatest shapeshifters

B. Cuttlefish are poor creatures

C. Cephalopods are fascinating marine animals

D. Chameleons and cephalopods are capable of the same amazing adaptations

4. How do cuttlefish and other cephalopods change their color?

A. Millions of tiny colored organs filled with color pigment in their skin called chromatophores.

B. They have red, brown, and yellow muscles that they stretch to change color.

C. Since they are in the same family as squid, they use colored ink to dye their skin based on their surroundings.

D. They have wrinkles that will cause them to reflect the light of the sun on the water.

5. Cuttlefish have 2 layers of proteins in their skin that act as reflectors. These proteins allow them to change to the following colors: One layer of skin has reflectors (proteins in their skins) to give off blues/ greens/ purples

A. Reds, Yellows, and Browns

B. Blues, Greens

C. Purples

D. None of the above

E. Both B and C

6. **True** or **False**: Not only can cuttlefish change the color of their skin, they can even change texture of skin to match surroundings.

- If true describe how they are able to change the texture of their skin:

**Acts like our tongue, we can make it long and pointy or wide and flat...etc.**

7. *Fill in the blank*: Cuttlefish can change shape as fast as \_\_\_\_\_ of a second.

**One-third**

Click Here for Link





# CUTTLEFISH

## Ultimate Shape Shifters

Masters of camouflage, cuttlefish are part of the cephalopod family – you know, like octopuses and squids. Find out how these amazing sea creatures use three colors, two layers of skin and papillae to make them the ultimate shape shifters.

Name: \_\_\_\_\_

Before you listen: Think about what you already know (schema). Think about what you want to know. Make a prediction about what it might be about. Read through the questions/ vocabulary use context clues to determine meaning.

While you listen: Listen for answers to questions. If you have been asked to find, Take note, doodle, or create symbols pertaining to what you are listening to. When you get bored, tune out, or find an idea difficult to understand...RE-LISTEN. \*\*\*You don't have to wait until the end to listen again!\*\*\*

After you listen: Ask if you were able to understand the main idea of the passage. Review your notes. Were you able to accomplish the task correctly? Listen again until no further clarification is needed.

# teaching

# on

# Lemon Lane



1 List at least 3 characteristic of the cuttlefish that the female narrator mentions at the beginning

2 Roger Handlin would most likely agree

- A. Charmers are the world's greatest shape shifters
- B. Cuttlefish are boring creatures
- C. Cephalopods are fascinating marine animals
- D. Chameleons and cephalopods are capable of the same amazing adaptations

4 How do cuttlefish and other cephalopods change their color

- A. Mimicry of their organs filled with color pigment in their skin called chromatophores.
- B. They have red, brown, and yellow muscles that they stretch to change color.

C. Since they are in the same family as an octopus they used colored ink to dye their skin based on their surroundings.

D. They have muscles that were caused by the reflection of the sun on the water.

5. Cuttlefish have a layer of proteins in their skin that act as reflectors. These proteins allow them to change color to the following colors: One layer of skin has reflectors (proteins) that give off blues/ greens/ purples

- A. Reds, Yellows
- B. Blues, Green
- C. Purples
- D. None of the above
- E. Both B and C

6 True or False: Not only can cuttlefish change the color of their skin, they can even change texture of their skin to match surroundings.

- If true describe how they are able to change the texture of their skin:

7 Fill in the blanks: \_\_\_\_\_ can change shape as fast as \_\_\_\_\_ of a second.