

Crunchy, Not Sweet

Exoskeleton, Exoskeleton and No Skeleton

Endoskeleton, Exoskeleton, and No Skeleton (K-2)

Learning Objective: Students will be able to categorize animals into having an endoskeleton, exoskeleton or no skeleton.

Materials:

- Book: *Crunchy, Not Sweet* by Amy Ward
- Chocolate covered pretzels (Endoskeleton)
- Caramels, peanut butter or regular M&M's (Exoskeleton)
- Gummy worms (No Skeleton)
- Illustrations from *Crunchy, Not Sweet*, print and cut out below
- Animal photos, print and cut out below

- Work: Read the book *Crunchy, Not Sweet* (available on Amazon.com, Watermark.com, Barnes and Noble.com)
- Spot bodies on a board. (Attached below)
- Ask: What is common? (Answer: Everyone's bodies)
- Put the chocolate covered pretzels on the board.
- Ask: What is common? (Answer: Everyone's bodies)
- Put the caramels, peanut butter or regular M&M's on the board.
- Ask: What is common? (Answer: Everyone's bodies)
- Put the gummy worms on the board.
- Ask: What is common? (Answer: Everyone's bodies)
- Ask: What animal from the story does have an endoskeleton? (No skeleton)
- Ask: What animal from the story does have an exoskeleton? (Exoskeleton)
- Ask: What animal from the story does have no skeleton? (No skeleton)
- They have no skeleton.
- Computer Connection: Use a search engine (such as Google) to look up the other animals provided and add your own.

Endoskeleton = Chocolate Covered Pretzel **Exoskeleton = Candy Covered Chocolate** **No Skeleton = Gummy Candy**

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Endoskeleton Skeleton is INSIDE the body	Exoskeleton Skeleton is OUTSIDE the body	No Skeleton

Endoskeleton
Skeleton is INSIDE the body

Exoskeleton
Skeleton is OUTSIDE the body

No Skeleton

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Endoskeleton, Exoskeleton, and No Skeleton (K-2)

Learning Objective: *Students will be able to categorize animals into having an **endoskeleton**, **exoskeleton** or **no skeleton**.*

Materials:

- Book: **Crunchy, Not Sweet** by Amy Ward
- Chocolate covered pretzels (endoskeleton)
- Caramel, peanut butter or regular M&Ms (exoskeleton)
 - Gummy worms (no skeleton)
- **Endoskeleton, Exoskeleton, and No Skeleton** headers, cut out
- Illustrations from **Crunchy, Not Sweet**, print and cut out below
 - Animal photos, print and cut out below

1. **Hook:** Read the book **Crunchy, Not Sweet** (Available on *Amazon.com, Target.com, Walmart.com, Barnes and Noble.com*)
2. Tape headers on a board. (Attached below.)
3. **Ask:** What is a skeleton? (Answer: Everyone's bones!)
4. **Pass out the chocolate covered pretzel. Ask:** What animals in the story have bones on the inside of their body like the chocolate covered pretzel? (Answer: Little Tree Dude, monkey, bird, squirrel.)
5. Bones inside the body are called an **Endoskeleton**.
6. **Pass out the M&M. Ask:** What animals in the story have a shell outside of their body? (Answer: The fly.)
7. A shell or covering outside the body is called an **Exoskeleton**.
8. **Ask:** What animal from the story doesn't have an **endoskeleton OR exoskeleton**?
9. They have **no skeleton**.
10. **Computer Connection:** Use a **search engine** (such as Google) to look up **the other animals provided** and add your own.

Endoskeleton = Chocolate Covered Pretzel



Exoskeleton = Candy Coated Chocolate



No Skeleton = Gummy Candy



Endoskeleton

Skeleton is INSIDE the body

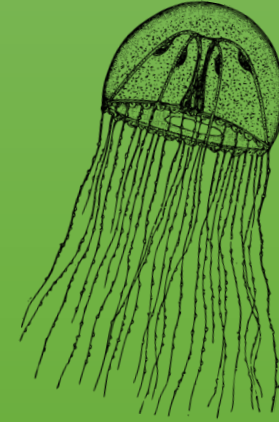


Exoskeleton

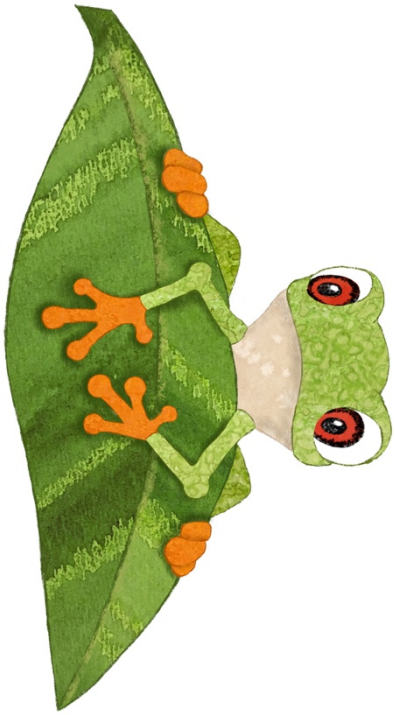
Skeleton is OUTSIDE the body



No Skeleton



Little Tree Dude



Capuchin Monkey



Motmot Bird



Variegated Squirrel



Inch Worm

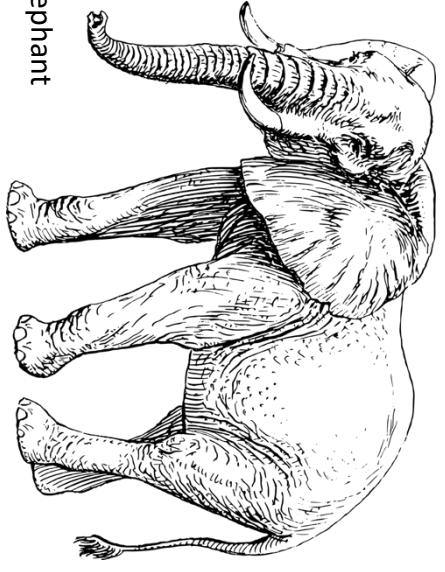


Common Fly

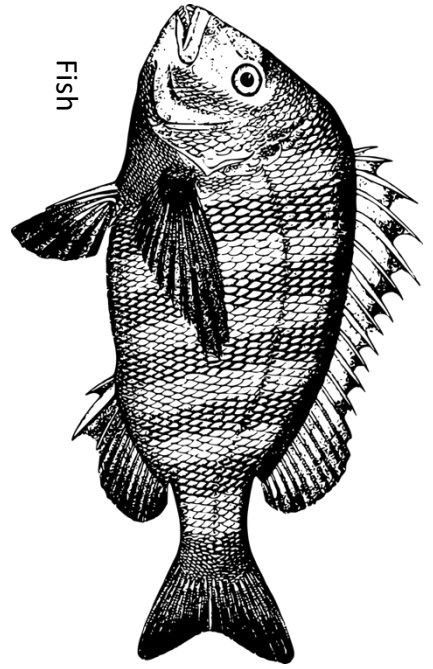


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Elephant



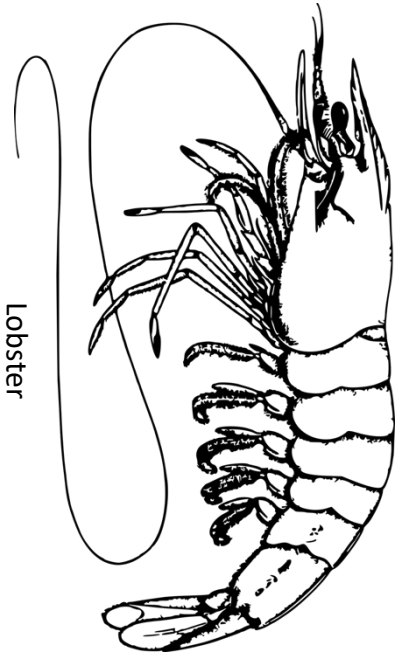
Fish



Grasshopper



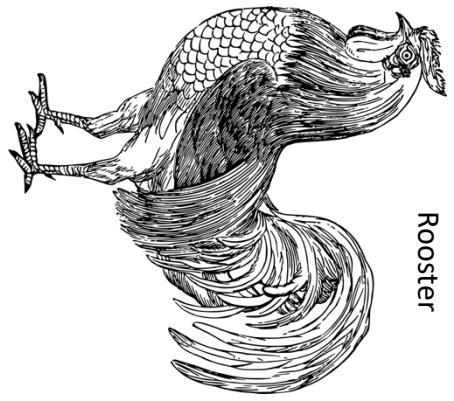
Lobster



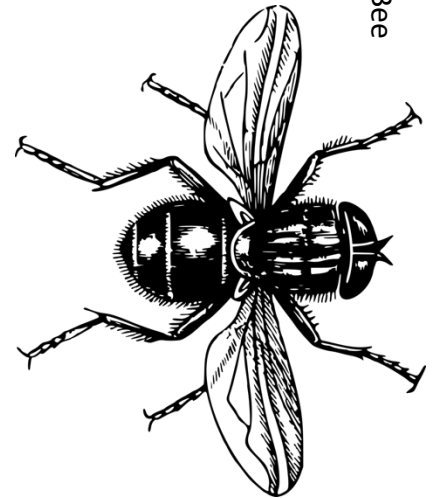
Dog



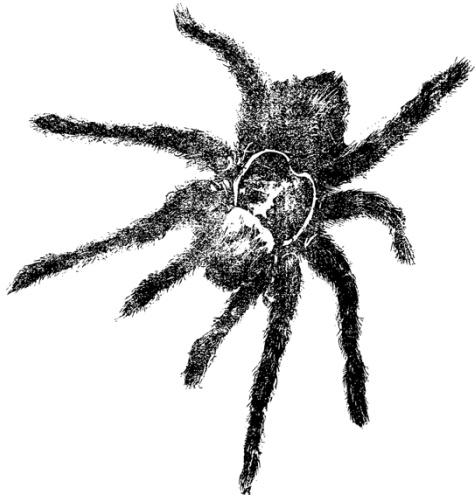
Rooster



Bee

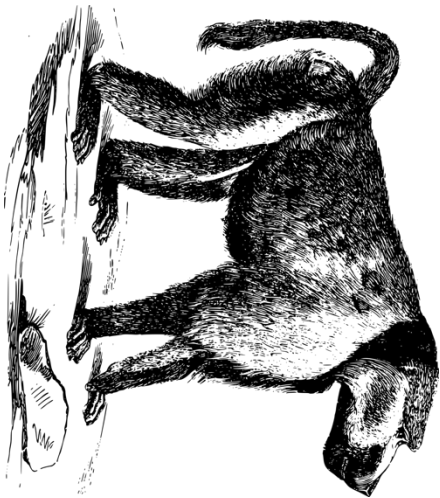


Spider

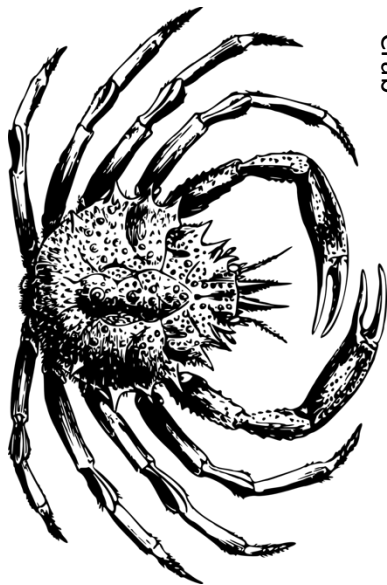


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Baboon



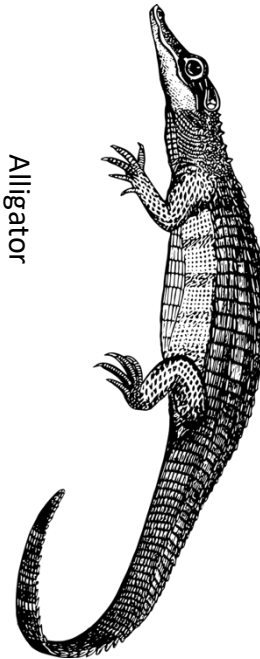
Crab



Frog



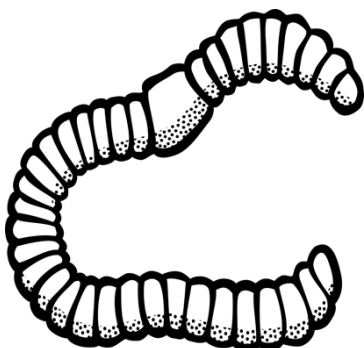
Alligator



Bird



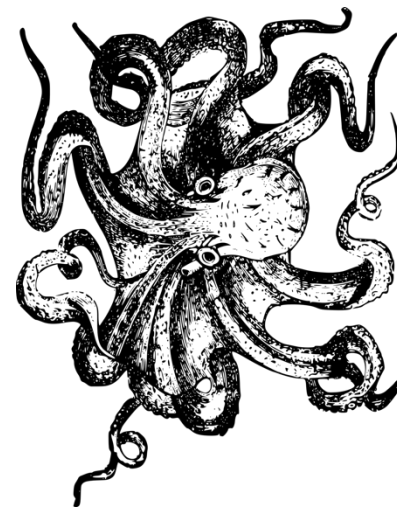
Worm



Jellyfish



Octopus



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Human Skeleton, Snake Skeleton, Horse Skeleton, Fish Skeleton, worm: **OpenClipart-Vectors**

Elephant, Crab, fly, spider, Jellyfish, octopus, caterpillar: **Clker-Free-Vector-Images**