



Name \_\_\_\_\_ Class \_\_\_\_\_ Date \_\_\_\_\_

1 Which of the following foods do **not** contain any **food additives**?



- A hamburgers
- B fruit
- C soup
- D organic milk

2 This diagram of a chain of paper clips **represents** a type of \_\_\_\_\_.

- A compound
- B element
- C polymer
- D chemical bond

3 **Polymers** are one of the components of our **muscles**. Which of these substances is a type of **polymer**?

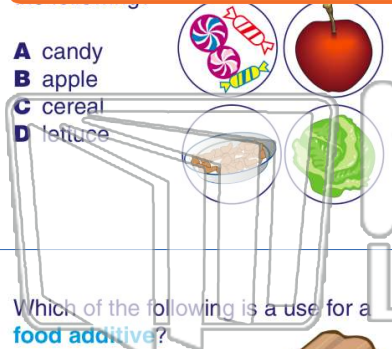
4 **Plastics** used to make soda bottles, electronics, and sporting equipment are made of synthetic polymers. A **synthetic polymer** is \_\_\_\_\_.



## PREVIEW

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7 Which of the following is a use for a **food additive**?



- A candy
- B apple
- C cereal
- D lettuce

- A Artificial additives are grown.
- B Natural additives come from living things.
- C Artificial additives are found in nature.
- D Natural additives are man-made.

9 Which of the following is a use for a **food additive**?

- A preserve food from spoiling
- B help grow food
- C eliminate color from food
- D reduce the nutritional value of food

10 Low density polyethylene is a synthetic polymer. In **box A**, what could be a **use** for this **polymer**?

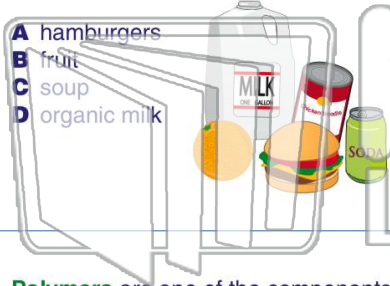
- A a piece of pipe
- B a squeeze bottle
- C a foam coffee cup
- D car bumper

Synthetic Polymers and their Uses		
Polymer	Properties	Uses
polypropylene	rigid	toys, cars
low-density polyethylene	low melting point, flexible	A
high-density polyethylene	medium melting point and hardness	food and cleaning containers
PVC	flexible, tough, waterproof	B



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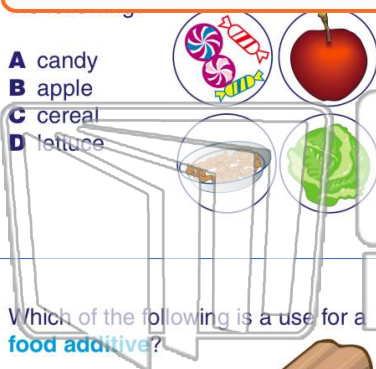
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