



Name _____ Class _____ Date _____

- 1 Find polyvinyl chloride (**PVC**) on the chart. In **box B**, how could **PVC** be used?

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

- A packing peanuts
- B garden hoses
- C plastic bags
- D drinking straws

- 2 What **property** of **nylon** should be placed in **box C** of this chart?

Synthetic Polymers and their Uses		
Polymer	Properties	Uses
polystyrene	lightweight, flexible	foam insulation, foam dishes
nylon	C	kies, jackets, stockings
Teflon	D	nonstick surfaces, cooking pans

- A porous
- B rigid
- C heavy
- D threadlike

- 3 In the chart below, **Teflon** is used for nonstick cooking pans. What **property** of Teflon should be placed in **box D**?

- 4 Milk is being collected from these cows. The **protein** in milk is _____.



PREVIEW

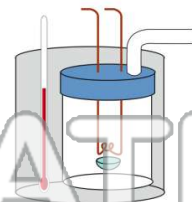
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- 7
- A stainless steel is stronger
 - B stainless steel is more flexible
 - C stainless steel is less expensive
 - D stainless steel does not rust



is a _____.

- A degree
- B pound
- C calorie
- D watt



- 9 Which of the following items was one of the **first synthetic polymers** ever produced?

- A rubber
- B Teflon
- C wool
- D cotton



- 10 Composites **combine properties** of materials to achieve a desired result. What is the reason why wood is a **composite**?

- A it is made of a single polymer
- B it is artificially produced
- C it is naturally produced
- D it is made of two natural polymers





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