

TECHNOLOGY TEST
3RD ESO COURSE
PLASTICS

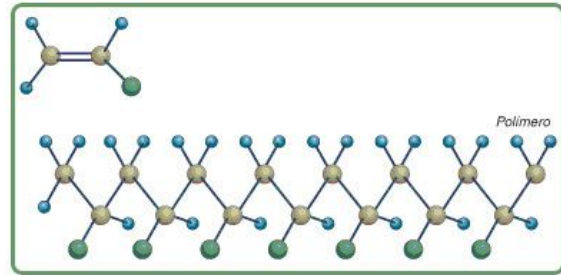
NAME:

DATE:

CLASS:

1. Plastics are made of polymers.
Polymers are made from joining together many small molecules called

A. plastics
B. monomers
C. catalysts
D. polythene



2. Which of these is not a reason plastics are used for packaging (the rest are true statements)?

A. They are easy to decorate
B. They are durable
C. They are expensive and this makes the customer feel valued

3. Most plastics are:

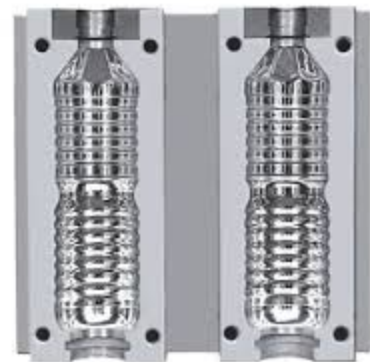
A. Natural
B. Synthetic

4. But, natural rubber come from:

A. Trees.
B. Animals
C. Whales

5. Which process would be most appropriate for making a plastic drinks bottle?

A. Injection moulding
B. Line bending
C. Blow moulding



6. Which one of the following is NOT a property of plastics?
- A. They react easily with metals
 - B. They generally have low densities
 - C. They are good electrical insulators
7. Which one of the following is NOT an advantage of plastics?
- A. They do not corrode
 - B. They can be made into almost any shape
 - C. They can be made from salt and water
 - D. They are cheap to produce

8. This is one of the coding symbols adopted by the plastics industry for packaging materials. What is the purpose of these coding symbols?



- A. to make recycling easier by making the identification of the plastics easier
- B. to facilitate identification for the monomers needed to produce the polymer indicated
- C. to create a code that will show how the polymer ranks in tons produced per year in the United States

9. Swimsuits are made from a material called neoprene. Which group of plastics does neoprene belong to?

- A. Natural rubber
- B. Thermoplastics
- C. Elastomers



10. Elastomers

- A. Is a polymer with the property of elasticity
- B. Is usually made of carbon, Nitrogen and elastine.
- C. PET belongs to elastomers

11. Which process would be appropriate for making a plastic bowl?

ome Injection Moulding Blow Moulding Tool Trials Mate

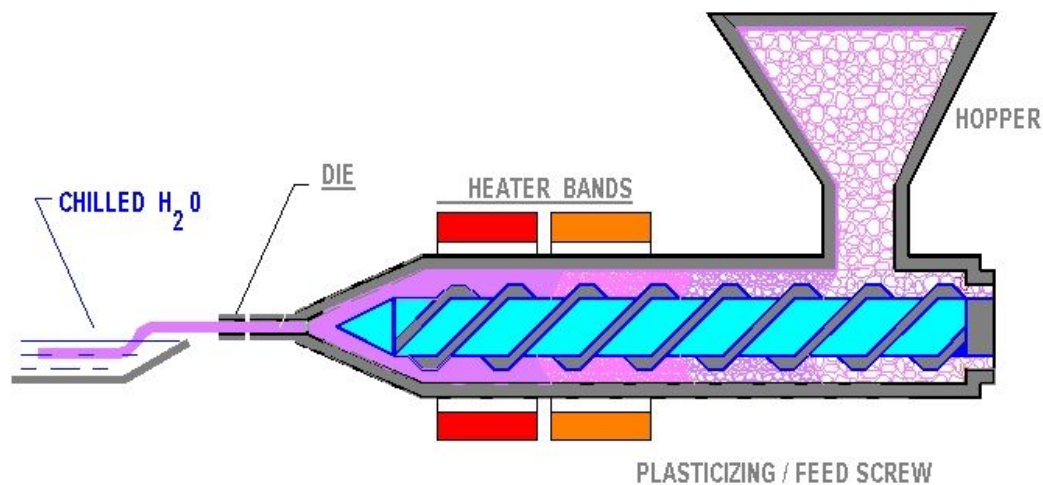
- A. Line bending
- B. Blow moulding
- C. Vacuum forming
- D. Injection moulding

12. Thermosoftening or thermoplastics polymers are easier to recycle than thermosetting polymers

- A. True
- B. False

13. Which of the items below would be made by extrusion?

- A. Curtain rail
- B. Washing-up bowl
- C. Screw cap for a glass jar



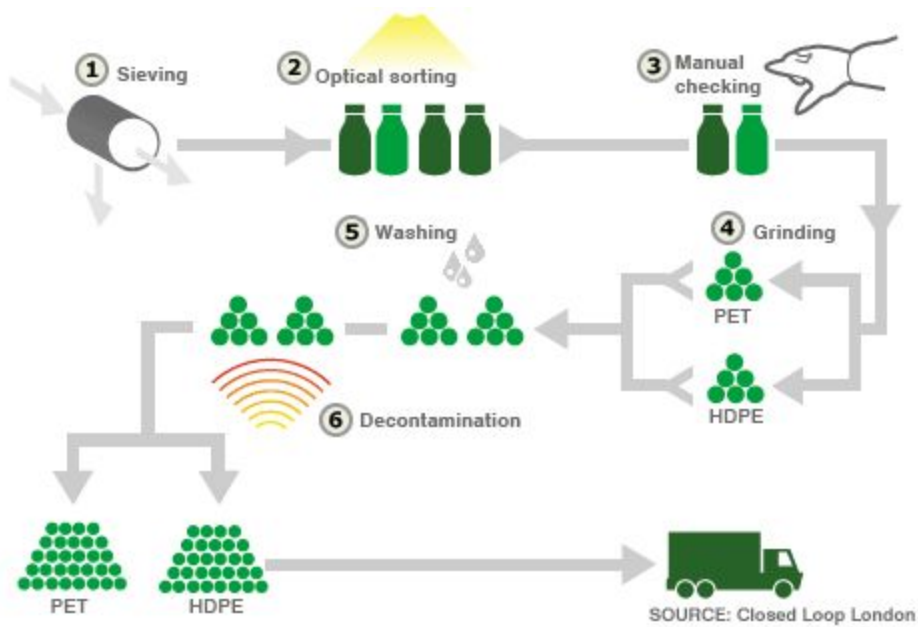
14. What happens to plastics when they burn?

- A. They let off toxic gasses
- B. They don't burn
- C. They explode

15. The process of burning plastic to get energy, it is called...

- A. Chemical recycling
- B. Secondary recycling
- C. Quaternary recycling

16. The picture shows:



- A. Tertiary recycling
- B. Mechanical recycling
- C. Thermal recycling

**Each question is worth 0.625 points.
Three wrong answer discount 0.625 points**