The World of Chemistry Video - The Age of Polymers

1. What determines the name for an age (stone age, bronze age, etc.)?

2. What are some examples of polymers in nature (list at least 2)?

3. What is the common starting material for most manmade polymers?

4. In fractional distillation _________________ molecules travel to the top of the fractionating tower while _________________ molecules collect at the bottom.

5. Arrange the following fractions in order from lightest to heaviest: asphalt, jet fuel, lubricating oil, gasoline, diesel fuel

6. What happens during catalytic cracking?

7. What is meant by a chain reaction?

8. What polymer is produced in the largest quantities?

9. Describe the differences between high density and low density polyethylene.

10. What was the key to the design of PETE soft drink bottles?

11. Why are polymers so widely used in the automobile and aircraft industries?