The Age of Polymers

1. Crude oil straight from the ground is practically ____________________.

2. Crude oil is a mixture of ____________________.

3. Crude oil is separated into parts by fractional ____________________.

4. Heavy hydrocarbon molecules are broken into smaller, more usable molecules in a process known as ____________________.

5. The molecular formula for ethylene is ____________________.

6. Ethylene molecules can bond to each other to form long chains called ________

7. Polyethylene is used to make ________ wrap and plastic _________. It is a plastic which is ____________.

8. The different properties of the many different products made from polyethylene are due to differences in ____________________.

9. Adding benzene to ethylene makes ____________________.

10. Polystyrene makes excellent _____________________. It is also used to make plastic that is ____________.

11. When _______________ is added to ethylene, the resulting tough polymer is used to make carpet.

12. Today, most artificial bones, _______________, ligaments, and arteries are all made of man-made _______________.

13. The narrator of this series of chemistry videos is ___________ ___________.