

Overview of the Petroleum Industry - Test # 7

Please turn test in on Saturday, Nov 12 at the end of class

Name _____

Textbook – The Oil and Gas Industry, A Nontechnical Guide

Please write your answers on this page

Please read Chap 11 (Converting Oil into Products)

1. True or False. Gas plants process gas in to components. Refineries process oil into components. Pg. 195.
2. List the 3 finished products from a refinery. Pg. 195

3. Draw the initial processing schematic, like Fig 11-2. Pg. 196

4. Describe the distillation process of water. Pg. 197-198

5. In a refinery, distillation is a way to separate the components of oil. Draw the boiling point schematic Fig 11-3. Pg. 198

6. Describe what happens in a distillation tower. Pg. 199, 200

7. Draw a schematic of trays and bubble caps in a distillation tower, Fig 11-5. Pg. 200
8. True or False. Cracking is the breaking of large hydrocarbon molecules into smaller ones. Pg. 202.
9. True or False. Thermal cracking uses catalyst. Catalytic cracking uses heat. Pg. 202
10. What is ethanol? Pg. 210
11. What are other additives added to gasoline? Pg. 210
12. Go to www.toptiergas.com. What did you learn?
13. What is a “turnaround”? Pg. 212
14. What are some key parameters for crude and refined products? Pg. 217
15. True or False. Steam cracking produces the olefins – ethylene and propylene. Pg. 218

Max test score is 100 points. Each question is 6 points