

Review - Section 3A

- 1) What is petroleum?
- 2) Where does petroleum come from?
- 3) How is petroleum used?
- 4) Describe some disadvantages to producing and using petroleum products.
- 5) What are hydrocarbons?
- 6) Explain how distillation can be used to separate liquids from each other?
- 7) What is a carbon footprint?
- 8) How can you change your carbon footprint?
- 9) What is viscosity?
- 10) List 2 substances with low viscosities and 2 substances with high viscosities.
- 13) What is the formula for density?
- 14) What are intermolecular forces?

15) How do intermolecular forces affect boiling points? Viscosity? Density?

16) What are alkanes? What is the formula for alkanes?

17) List the prefixes for alkanes, from 1 carbon to 10 carbons.

18) What is the molecular formula for a 5-carbon alkane? 10-carbon alkane? 500-carbon alkane?

19) How do the number of carbon atoms in a molecule affect the boiling point of that molecule?

20) What are isomers? Draw some examples.