**Activity 4:**

**Liquid Lubricant, Greases and Semi Solid Lubricants**

**Name: Date:**

***These answers will form part of your assessment for this module. Think carefully about your answers.***

1. What are the main properties of gear oils and how are they classified?
2. Explain the properties of an E.P oil and a cling type gear shield oil.
3. What are machine and engine oils suitable for and where shouldn’t they be used?
4. Where should spindle oils be used and do these oils have high or low viscosities?
5. Which has the higher viscosity, oil or grease?
6. What is a soap thickened mineral oil?
7. Name the main categories of the soap-thickened mineral oils.
8. Explain what complex, mixed base and multipurpose greases are.
9. Describe a synthetic oil-based grease and what fluids they contain.
10. Name three examples of where greases are used.
11. Give four advantages of using solid lubricants over greases.
12. Name two popular solid lubricants and give three benefits of using each type.