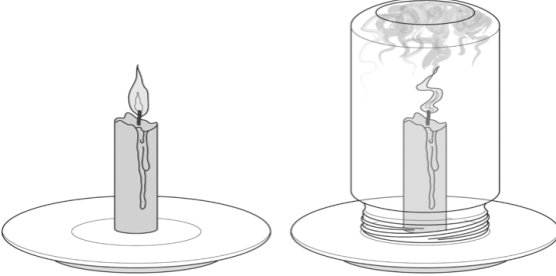


**TOM NEWBY SCHOOL**  
**TERM 4 FORMAL ASSESSMENT**  
**GRADE 5 NS/ TECH**

**MEMORANDUM**

| Question | Answer  | Mark | Level |
|----------|---|------|-------|
| 1.       | 1.1 False✓<br>1.2 False✓<br>1.3 True✓<br>1.4 False✓<br>1.5 True✓  | 5    | 1     |
| 2.       | 2.1 Coal✓<br>2.2 Heat and light/electricity✓✓<br>2.3 Any two✓✓<br>1. Never touch the metal terminals of plugs or bare wires.<br>2. Do not put things such as your fingers or anything made of metal into electric sockets.<br>3. Do not let bare electrical wires touch each other as they may start a fire.<br>4. Always keep electrical wires dry.<br>5. Do not touch electrical wires electrical wires when your hands are wet.<br>6. Never use electrical appliances when you are bathing.<br>7. Do not overload a socket by using too many appliances.<br>8. Never try to repair electrical cords and plugs with electrical tape.<br>9. Replace worn, cracked or broken plugs and cables.<br>10. Do not pull a plug out by the cord or cable.<br>11. Turn the switch off at the wall socket before removing the plug.<br>12. Keep electrical cords away from hot things like stoves.<br>13. Make sure that lights are switched off when you change a light bulb. | 5    | 2     |

|    |   |    |        |
|----|---|----|--------|
|    | 14. Never place an electrical cord under a carpet, as the wires can wear through  |    |        |
| 3. | <p>3.1 correct drawing✓</p>  <p>candle✓<br/>jar✓</p> <p>3.2.1 oxygen✓ heat✓ fuel✓<br/>3.2.2 extinguish✓<br/>3.2.3 Fire fighters✓<br/>3.2.4 Any 2<br/>Fire blanket/water✓<br/>Sand/foam✓</p>                            | 10 | 1<br>2 |
| 4. | <p>1. B✓<br/>2. D✓<br/>3. E✓<br/>4. C✓<br/>5. A✓</p>  | 5  | 1      |
| 5. | <p>Elastic bands and springs are used to move things. ✓<br/>Before things can move, we must twist or stretch it. ✓✓<br/>When we stretch or twist it, we give it the energy to make it move. ✓<br/>When we release or let go of the elastic band, the stored energy is changed into movement energy✓</p> | 5  | 3      |

|    |  |    |   |
|----|--|----|---|
|    |  |    |   |
| 6. | 6.1 Mantle✓<br>6.2 Core✓<br>6.3 Humus✓<br>6.4 Topsoil✓<br>6.5 Subsoil✓<br>6.6 Weathered rock fragments✓<br>6.7 Bedrock✓  | 7  | 2 |
| 7  | 7.1 Mrs Ples✓<br>7.2. It is over 4 million years old✓<br>7.3 The Cradle of Humankind✓<br>7.4 Dr Robert Broome and John Robinson✓✓<br>7.5 One mark for each correct bar✓✓✓✓✓✓✓✓ | 13 | 4 |

World fossil fuel usage

