

MEMORANDUM

NS/TECH

DATE: NOVEMBER 2021

GRADE: 5

EXAMINER: MRS GROVES

TOTAL MARKS: 45

DURATION: 1 HOUR

MODERATOR: MRS FOURIE

Question	Answer	Mark	Level
1.	1.1 True ✓ 1.2 True ✓ 1.3 False ✓ 1.4 True ✓ 1.5 False ✓	5	1
2.	2.1 Gas ✓ 2.2 Heat and light ✓ ✓ 2.3 Any two ✓ ✓ 1. Do not play with matches, lighters or any flammable liquids. 2. Fuel such as petrol should never be poured onto a burning fire. 3. Candles must always be placed in sturdy candleholders. Never put a burning candle near flammable objects such as curtains or books. 4. Always place fireguards in front of fireplaces. 5. Never dry clothes on or near a heater or cooker. 6. Cooking should always be done under adult supervision. Never leave pots unattended. 7. If you suspect a gas leak from a cylinder, turn off the supply and call a gas supplier. 8. Do not use damaged electrical appliances. 9. Ensure that a fire is extinguished after having a braai or making an open fire.	5	2
3.	3.1 correct drawing ✓ negative ✓ positive ✓ 3.2.1 chemical ✓ electrical ✓ 3.2.2 negative ✓ positive ✓ 3.2.3 energy ✓ light/sound/heat/movement ✓ 3.2.4 power station ✓ 3.2.5 distribution cables ✓	11	1 2

4.	1. F ✓ 2. D ✓ 3. B ✓ 4. A ✓ 5. C ✓	5	1
5.	Mains electricity is made in power stations ✓ Coal is the main source of energy in South African homes. ✓ The electricity is transferred from the power stations to substations. ✓ Then to places where it is needed such as homes, schools, factories etc. ✓ Electricity is carried through cables called transmission lines. ✓ These transmission lines are supported and carried by huge structures called pylons. ✓	6	3
6.	6.1 South Africa ✓ 6.2 Core ✓ 6.3 3500km ✓ 6.4 Antarctica 6.5 Crust 10 km thick under the ocean and 75km the continents ✓ 6.6 2900km ✓ 6.7 Mantle ✓ 6.8 Crust ✓	8	2
7	7.1 A fossil is any preserved remains, impression, or trace of any once-living thing from a past. ✓ 7.2 It can be found in bedrock. ✓ 7.3 a. 0% ✓ b. 75% ✓ c. 25% ✓	5	4