

1. A fuse is a piece of wire of a material with a very low melting point, that is, it ~~melts~~ melts.

2. $E = 1.5 \text{ V}; r = 1 \Omega$

$$I = \frac{E}{R+r} = \frac{1.5}{(4+20)+1} = 0.06 \text{ A}$$

ii) 40 mA

iii) $V = IR = 0.06 \times 24 = 1.44 \text{ Volt}$.

3. It has a high melting point.