

1-5 ADCBB
6-10 BCCBA
11-14 CAAC

[2010-W-P33-Q04]

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|---|----|
| (a) (i) conduction | B1 |
| (ii) molecules at hot end vibrate more/have high/more energy
OR knocked by molecules/free electrons at hot end have more energy | B1 |
| energy/vibration transferred to neighbours/shared
OR (energetic) electrons move along rod | B1 |
| (b) copper is a better conductor OR iron is a poorer conductor
(ignore electrical) | B1 |
| (c) iron conducts heat slowly OR poor conduction by iron sideways from flame | B1 |
| above gauze: flame retains its energy OR gas hot enough to burn | B1 |
| copper conducts heat rapidly OR good conduction by copper sideways from flame | B1 |
| above gauze: gas not incandescent above gauze OR gas not hot enough to burn | B1 |
| [Total: 8] | |