

## **AoPS Community**

## 2009 National Chemistry Olympiad

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- 42 The deposition of 1.0 g of which element from its molten chloride requires the shortest time at a currently of 1 A?
  - (A) Na
- **(B)** Mq
- (C) Al
- **(D** Ba
- 43 Which properties of electromagnetic radiation are inversely related?
  - (A) amplitude and frequency
- (B) energy and wavelength
- (C) energy and frequency

(D) wavelength and amplitude