

## Minute Quiz 4 **KEY**

1. What is the Arrhenius definition of:

(a) an acid?

**something which increases  $H^+$  concentration**

(b) a base?

**something which increases  $OH^-$  concentration**

2. Tell whether the following form acidic or basic solutions in water:

(a) ammonia **basic**

(b) lemon juice **acidic**

(c) milk of magnesia **basic**

(d) sodium bicarbonate **basic**

(e) carbon dioxide **acidic**

3. Tell whether solutions of the following pH values are acidic, basic, or neutral.

(a) pH = 11 **basic**

(b) pH = 3 **acidic**

(c) pH = 7 **neutral**