

1 Using numbers only, state the:

- (a) percentage of oxygen in clean, dry air [1]
- (b) typical operating temperature, in °C, used in the Haber process [1]
- (c) number of atoms in a diatomic molecule [1]
- (d) maximum number of electrons in the second electron shell of an atom [1]
- (e) number of hydrogen atoms in an alkane with 7 carbon atoms [1]
- (f) number of particles in **one** mole, in standard form. [1]

[Total: 6]