

Solutions

Each answer shows the steps, then the **result**.

2.1

- Amino acids (organic molecules) from simple gases and energy

2.2

- RNA can both store information and act as a catalyst (enzyme)

2.3

- A membrane-enclosed droplet containing molecules — a precursor to a cell

3.1 B

- organic molecules can form from inorganic ones

3.2

- Simple organic monomers
- polymers
- protocells
- self-replicating molecules

3.3

- Self-replication allowed information to be copied and passed on (heredity); variation in the copies could then be selected, so evolution could begin