Photosynthesis is

1. The combination of oxygen and methane to produce carbon dioxide
2. An endothermic reaction
3. An exothermic reaction
4. A plant protection mechanism against oxygen

Photosynthesis converts Sun energy into

1. Chemical energy
2. Electrical energy
3. Gravitational energy
4. Heat energy
5. Light energy

When plants turn into coal

1. All of these choices
2. The chemical energy stored by photosynthesis is preserved in the compounds
3. There is a gradual change from peat to lignite to bitumen to anthracite with pressure and time
4. There is a reduction in the amount of hydrogen in the compounds
5. There is a reduction in the amount of oxygen in the compounds

 Petroleum source-rock

1. All of these choices
2. Black shale with preserved organic matter
3. Limestone with shells
4. Porous sandstone
5. Undecayed plants from swamps

Petroleum reservoir rock

1. All of these choices
2. Both 4 and 5
3. Black shale with preserved organic matter
4. Limestone with shells
5. Porous sandstone

The trap of a petroleum reservoir needs to be

1. Impermeable cap rock
2. Porous reservoir rock
3. Stratigraphic control
4. Structural control
5. Unconformity control