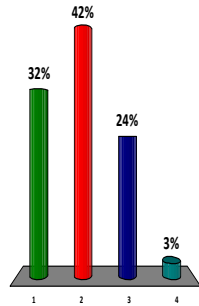


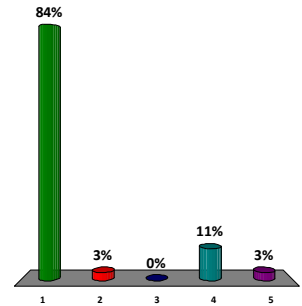
Photosynthesis is

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



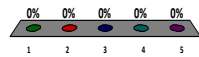
Photosynthesis converts Sun energy into

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



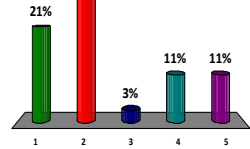
When plants turn into coal

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



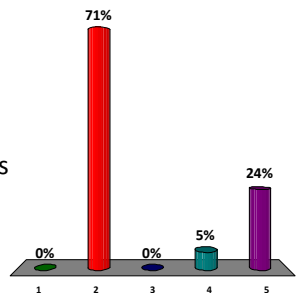
Petroleum source-rock

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

