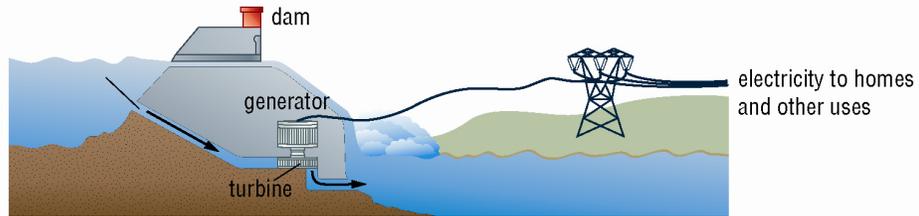


CHAPTER 2**Generating Stations****BLM 2-4****OVERHEAD****A**

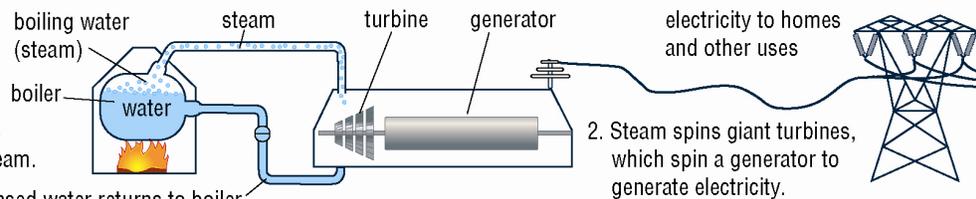
1. Water flowing through dam spins giant turbines, which spin a generator to produce electricity.

**Hydro generating stations**

- can capture the energy of motion from natural water falls
- can use a large wall, or dam, to block a river, creating an artificial fall of water
- use the movement of water to spin turbines

B

1. Burning fuel boils water to make steam.
cooled condensed water returns to boiler



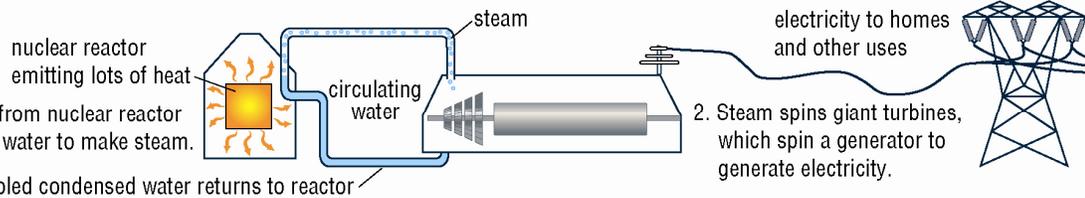
2. Steam spins giant turbines, which spin a generator to generate electricity.

Fossil fuel-burning generating stations

- use the energy from burning coal (and sometimes diesel fuel, gasoline, or natural gas) to boil large amounts of water
- use steam from the boiling water to spin turbines

C

1. Heat from nuclear reactor boils water to make steam.
cooled condensed water returns to reactor



2. Steam spins giant turbines, which spin a generator to generate electricity.

Nuclear generating stations

- use the energy from nuclear reactions to boil large amounts of water
- use steam from the boiling water to spin turbines