Bohr Atomic Model

1. Guess if the following statements are correct. Write "T" if it is true or "F" if it is false.

Electrons can have stable orbits around the nucleus.

The energy of an electron is higher for smaller orbits.

Radiation can occur only when the electron jumps from one orbit to another.

According to Planck, when a body is heated it's radiant energy in a particular frequency is proportional to the temperature of the body.

Bohr explained how electrons could jump from one orbit to another only by emitting or absorbing energy in fixed quanta.

2. Join with arrows

The energy of an electron depends on the	Constant
To explain the light radiation emitted from heated bodies, Plank introduced in 1900 his	Size of the orbit
The energy quantum is related to the	Frequency of the light

3. Drag the possible physics' names and drop them on the correct position.

The motion of the electrons in the model was unstable.

required that electrons move in orbits of fixed size and energy.

postulated that energy can only be emitted or absorbed in discrete amounts, which he called quanta.

Bohr Rutherford Planck

4. Watch the following video to understand the Bohr atomic model