Mrs H’s BOHR MODEL OF THE ATOM

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| **What** | **How it is shown in the model** |
| Electrons are bound in atoms |  |
| Electrons are found in certain orbits |  |
| Energy levels get closer together, the energy difference between levels decreases as …….. |  |
| Electrons cannot be between energy levels |  |
| Electrons rapidly return to a lower energy level |  |
| An electron has 0J of energy when it….. |  |
| Electrons are excited |  |
| Electrons can lose energy, when they ……. |  |
| Photons have different energies given by the formula: E=hf  where h=  f |  |
| Electrons have negative energy when ……. |  |
| Electrons can gain their energy in two ways   * Collision with another electron * Absorption of a photon |  |
| Absorption spectra are examples of …… |  |
| Emission spectra are examples of …….. |  |
| Electrons have kinetic energy when…….. |  |
| A photon will not be absorbed if ………….. |  |