

Lesson 1: What energy conversions take place to convert the energy of moving water into moving electrons?

What is the difference between Kinetic Energy and Potential Energy?

Where does the kinetic energy of the water get converted into electrical energy?

Circle which item in the pairs has the highest potential or kinetic energy.

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|---------------------|----------------------|
| Low water level dam | High water level dam |
| Fast Falling water | Slow falling water |
| Slow moving current | Fast moving current |
| Low volume of water | High Volume of water |
| Large waves | Short Waves |