

# Forms of Energy

## Notes

Energy is the ability to do work.

### Sound

produced by • vibrations	travels in • waves • through matter	does not travel through • empty space
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### Light

travels in • waves • straight line	travels through • empty space	natural sources: • the sun • fire
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## Thermal

also known as • heat energy	molecules moving faster = more thermal energy (hotter)
	• molecules moving slower = <del>energy</del> less thermal energy (colder)

## Mechanical

energy of motion	kinetic energy: • moving energy	potential energy: • object at rest
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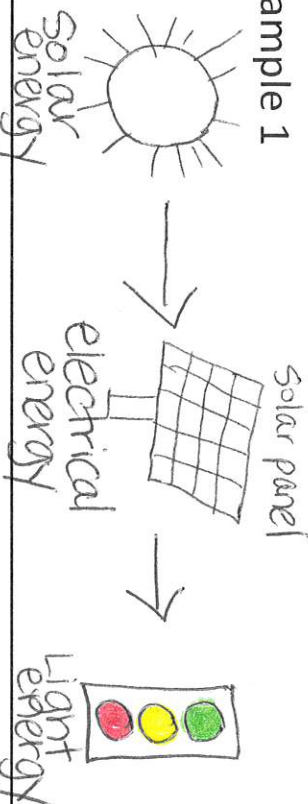
## Electrical

the movement of charged particles	produced in power plants from fossil fuels
	• alternative energy resources • wind • water • solar

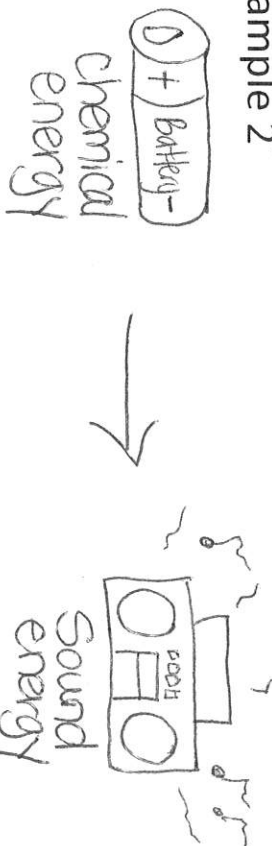
Energy can change from one form  
to another.

## Examples of Energy Changing Forms

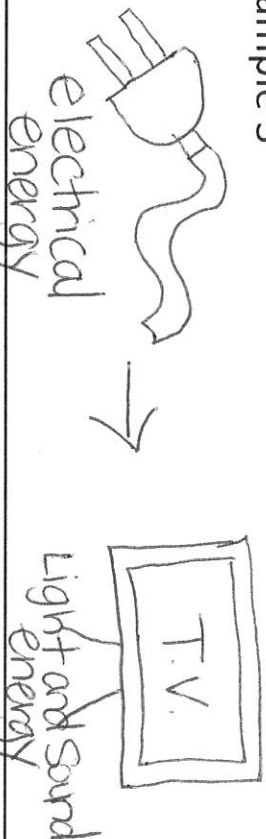
Example 1



Example 2



Example 3



Example 4

