

Energy Storage Match



Re-Energy Learning Activity Worksheet

Please refer to the Energy Storage 101 backgrounder to complete this activity.

Match the technology (small blue blocks) to the type of energy storage (large green blocks).

Technology

| | | | | | |
|--------------------------|-----------|-------------------------|------------|-------------------------------|------|
| High Temperature Storage | Flywheels | Low Temperature Storage | Capacitors | Thermochemical Energy Storage | SMES |
|--------------------------|-----------|-------------------------|------------|-------------------------------|------|

ES Type

| | | | |
|---------|------------|----------|------------|
| Thermal | Mechanical | Chemical | Electrical |
|---------|------------|----------|------------|

Technology

| | | | | |
|-----------|------|-----------------|--------------|------------|
| Batteries | CAES | Supercapacitors | Pumped Hydro | Fuel Cells |
|-----------|------|-----------------|--------------|------------|

What is the energy conversion of each storage type?

1. Thermal Energy Storage:

2. Mechanical Energy Storage:

3. Chemical Energy Storage:

4. Electrical Energy Storage:
