Building Batteries Student Sheet

Name_	
Watch	as your teacher makes a battery.
1.	What do you notice?
2.	What questions do you have?
3.	Guiding question: Which substances produce the best batteries?
4.	Choose a battery type from the list below and research it using the internet.
5.	Which internet resources did you look up?

6.	What information did you find? Be ready to share with your class as directed by your teacher.

Primary Cells or Non-Rechargeable Cells	Primary or Non-Rechargeable Cells
Alkaline battery (zinc manganese oxide, carbon)	Aluminum-ion battery
Aluminum-air battery	Carbon battery
Atomic battery	Flow battery
Bunsen cell	Vanadium redox battery
Chromic acid cell (Poggendorff cell)	Zinc-bromine battery
Clark cell	Zinc-cerium battery
Daniell cell	Lead-acid battery
Dry cell	Deep cycle battery
Earth battery	VRLA battery
Frog battery	AGM battery
Galvanic cell	Gel battery
Grove cell	Glass battery
Leclanché cell	Lithium- ion battery
Lemon/potato battery	Lithium-ion lithium cobalt oxide battery (ICR)
Lithium battery	Lithium-ion manganese oxide battery (IMR)
Lithium air battery	Lithium-ion polymer battery
Magnesium battery	Lithium-iron phosphate battery
Mercury battery	Lithium-sulfur battery
Molten salt battery	Lithium-titanate battery
Nickel oxyhydroxide battery	Thin film lithium-ion battery
Oxyride battery	Lithium ceramic battery
Organic radical battery	Magnesium-ion battery
Paper battery	Metal-air electrochemical cell
Pulvermacher's chain	Lithium-air battery
Silver-oxide battery	Aluminum-air battery
Solid-state battery	Germanium-air battery
Sugar battery	Calcium-air battery
Voltaic pile	Iron-air battery
Penny battery	Potassium-ion battery
Trough battery	Silicon-air battery
Water-activated battery	Zinc-air battery
Weston cell	Tin-air battery
Zinc-air battery	Sodium-air battery
Zinc-carbon battery	Beryllium-air battery
Zinc-chloride battery	Molten salt battery
	Nickel-cadmium battery
	Nickel-hydrogen battery
	Nickel-iron battery
	Nickel metal hydride battery
	Low self- discharge NiMH battery
	Nickel-zinc battery
	Organic radical battery
	Polymer-based battery
	Polysulfide bromide battery
	Potassium-ion battery
	Rechargeable alkaline battery
	Rechargeable fuel battery

Sand battery
Silicon air battery
Silver-zinc battery
Silver-calcium battery
Silver-cadmium battery
Sodium-ion battery
Sodium-sulfur battery
Solid-state battery
Super iron battery
Ultra Battery
Zinc-ion battery

Adapted from: https://energy.utah.gov/energy- education/curriculum/