Rocket Engine Research Worksheet

What causes a “hard start” during ignition?

What aircraft uses a hypergolic ignition system?

Name a spacecraft that uses the Pintle injector. Why does that spacecraft need to use a Pintle injector?

Describe how a Turbo pump works to pump fuel.

Why does the exhaust of a rocket accelerate after traveling through the engine nozzle?

What shape will the unlike quadlet’s spray pattern have?

The Nozzle heats up a lot during launch. What can be done to mitigate the extreme heats it experiences?