

Rocket Research...

Click on the links below to answer the questions that follow.

<http://www.enchantedlearning.com/inventors/page/g/goddard.shtml>

- 1) When was Robert Goddard's first successful rocket launched?
- 2) How long did this flight last?

<http://www.physicscentral.com/lou/lou-01-19.html>

- 1) What is the fuel in a water-bottle rocket like we are building?
- 2) What is the energy source in a water-bottle rocket?
- 3) At launch, most of the water-bottle rocket's mass is what?
- 4) What happens when you finally let water start streaming out of the bottle?

<http://www.guidediscoveries.org/astrosit/fun/rocketry/rocketry2.htm>

- 5) The first thing that happens after the rocket is compressed with air and let go is the water pushes against the rocket. What are the next 4 things that happen?

<http://www.guidediscoveries.org/astrosit/fun/rocketry/rocketry3.htm>

- 6) Lighter nose cones are easier to get started, but they don't do what?
- 7) What do you use as the fuselage in a water-bottle rocket?
- 8) What often happens if you angle all your fins the same way?
- 9) Spinning objects fly straighter due to what?

http://www.ag.ohio-state.edu/~rockets/cgi-bin/design_zone.cgi

- 10) In the design zone, experiment with different weights, measures, and pressures to make your rocket fly high. Click "Launch Rocket" to test your rocket. Make your rocket fly at least 200ft then record your weights, measures, and pressures.

<http://www-istp.gsfc.nasa.gov/stargaze/Srocket.htm>