girl scouts
of eastern washington
and northern idaho

SELTZER ROCKET

Directions: Let's cut to the chase! Add 1 tablespoon of water to a film canister. Next, drop in 1/4 Alka Seltzer tablet. Snap the canister lid in place as soon as you drop in the tablet. Place it on the ground, cap down - rocket pointing UP! Now, stand back! If you're lucky, the lid will pop off and fly into the air at warp speed!

How does it work? The fizzing you see when you drop the Alka Seltzer tablet in water is the same sort of fizzing that you see when you mix baking soda and vinegar. The acid mixes with the sodium bicarbonate (baking soda) to produce bubbles of carbon dioxide gas. If you look at the ingredients of Alka Seltzer, you will find that it contains citric acid and sodium bicarbonate.

We can thank Sir Isacc Newton for what happens next! When the built-up carbon dioxide gas is too great and the lid pops off, **Newton's Third Law** explains why the film canister flies flies across the room, "for every action there is an equal and opposite reaction." The lid goes one way and the film canister shoots out of the tube in the opposite direction. Isn't science COOL?

INTERESTED IN JOINING GIRL SCOUTS?
Please visit gsewni.org or facebook.com/girlscouting.

girl scouts
of eastern washington
and northern idaho

SELTZER ROCKET

Directions: Let's cut to the chase! Add 1 tablespoon of water to a film canister. Next, drop in 1/4 Alka Seltzer tablet. Snap the canister lid in place as soon as you drop in the tablet. Place it on the ground, cap down - rocket pointing UP! Now, stand back! If you're lucky, the lid will pop off and fly into the air at warp speed!

How does it work? The fizzing you see when you drop the Alka Seltzer tablet in water is the same sort of fizzing that you see when you mix baking soda and vinegar. The acid mixes with the sodium bicarbonate (baking soda) to produce bubbles of carbon dioxide gas. If you look at the ingredients of Alka Seltzer, you will find that it contains citric acid and sodium bicarbonate.

We can thank Sir Isacc Newton for what happens next! When the built-up carbon dioxide gas is too great and the lid pops off, **Newton's Third Law** explains why the film canister flies flies across the room, "for every action there is an equal and opposite reaction." The lid goes one way and the film canister shoots out of the tube in the opposite direction. Isn't science COOL?

INTERESTED IN JOINING GIRL SCOUTS?
Please visit gsewni.org or facebook.com/girlscouting.

girl scouts
of eastern washington
and northern idaho

SELTZER ROCKET

Directions: Let's cut to the chase! Add 1 tablespoon of water to a film canister. Next, drop in 1/4 Alka Seltzer tablet. Snap the canister lid in place as soon as you drop in the tablet. Place it on the ground, cap down - rocket pointing UP! Now, stand back! If you're lucky, the lid will pop off and fly into the air at warp speed!

How does it work? The fizzing you see when you drop the Alka Seltzer tablet in water is the same sort of fizzing that you see when you mix baking soda and vinegar. The acid mixes with the sodium bicarbonate (baking soda) to produce bubbles of carbon dioxide gas. If you look at the ingredients of Alka Seltzer, you will find that it contains citric acid and sodium bicarbonate.

We can thank Sir Isacc Newton for what happens next! When the built-up carbon dioxide gas is too great and the lid pops off, **Newton's Third Law** explains why the film canister flies flies across the room, "for every action there is an equal and opposite reaction." The lid goes one way and the film canister shoots out of the tube in the opposite direction. Isn't science COOL?

INTERESTED IN JOINING GIRL SCOUTS?
Please visit gsewni.org or facebook.com/girlscouting.

girl scouts
of eastern washington
and northern idaho

SELTZER ROCKET

Directions: Let's cut to the chase! Add 1 tablespoon of water to a film canister. Next, drop in 1/4 Alka Seltzer tablet. Snap the canister lid in place as soon as you drop in the tablet. Place it on the ground, cap down - rocket pointing UP! Now, stand back! If you're lucky, the lid will pop off and fly into the air at warp speed!

How does it work? The fizzing you see when you drop the Alka Seltzer tablet in water is the same sort of fizzing that you see when you mix baking soda and vinegar. The acid mixes with the sodium bicarbonate (baking soda) to produce bubbles of carbon dioxide gas. If you look at the ingredients of Alka Seltzer, you will find that it contains citric acid and sodium bicarbonate.

We can thank Sir Isacc Newton for what happens next! When the built-up carbon dioxide gas is too great and the lid pops off, **Newton's Third Law** explains why the film canister flies flies across the room, "for every action there is an equal and opposite reaction." The lid goes one way and the film canister shoots out of the tube in the opposite direction. Isn't science COOL?

INTERESTED IN JOINING GIRL SCOUTS?
Please visit gsewni.org or facebook.com/girlscouting.

girl scouts of eastern washington and northern idaho

The learning pyramid shows that people retain about 5% of information by hearing about it, 10% by reading about it, 30% by seeing it, and 75% by doing it themselves. When kids get their hands on exciting activities, it can inspire them to learn.

77% of girls say that, because of Girl Scouts, they are considering a career in STEM (Science, Technology, Engineering, & Mathematics).

girl scouts of eastern washington and northern idaho

The learning pyramid shows that people retain about 5% of information by hearing about it, 10% by reading about it, 30% by seeing it, and 75% by doing it themselves. When kids get their hands on exciting activities, it can inspire them to learn.

77% of girls say that, because of Girl Scouts, they are considering a career in STEM (Science, Technology, Engineering, & Mathematics).

girl scouts of eastern washington and northern idaho

The learning pyramid shows that people retain about 5% of information by hearing about it, 10% by reading about it, 30% by seeing it, and 75% by doing it themselves. When kids get their hands on exciting activities, it can inspire them to learn.

77% of girls say that, because of Girl Scouts, they are considering a career in STEM (Science, Technology, Engineering, & Mathematics).

girl scouts of eastern washington and northern idaho

The learning pyramid shows that people retain about 5% of information by hearing about it, 10% by reading about it, 30% by seeing it, and 75% by doing it themselves. When kids get their hands on exciting activities, it can inspire them to learn.

77% of girls say that, because of Girl Scouts, they are considering a career in STEM (Science, Technology, Engineering, & Mathematics).