FIRE CHIPS

SCIENCE SAFETY
PLEASE follow these safety precautions when doing any science experiment.

- ALWAYS have an adult present.
- ALWAYS wear the correct safety gear while doing any experiment.
- NEVER eat or drink anything while doing any experiment.
- REMEMBER experiments may require marbles, small balls, balloons, and other small parts. Those objects could become a CHOKING HAZARD. Adults are to perform those experiments using these objects. Any child can choke or suffocate on uninflated or broken balloons. Keep uninflated or broken balloons away from children.

INGREDIENTS
- Grill Lighter
- Doritos Cool Ranch Flavored Tortilla Chips

INSTRUCTIONS
STEP 1: Place several Doritos Cool Ranch flavored tortilla chips in a fireproof dish. Describe the chips by using their observable properties.
STEP 2: Using the grill lighter, ignite the chips and observe. Describe the chips by using their observable properties. Did burning the chips result in a new substance.

EXPLANATION
Fuel, oxygen, and heat are all needed for fire. These three ingredients make up what is known as the fire triangle. The Doritos Cool Ranch flavored tortilla chips easily catch fire due to the flavor powder and oil on the chips, which creates a good combination for combustion.

NEXT GENERATION SCIENCE STANDARDS CONNECTION
2 – Structure and Properties of Matter
5 – Structure and Properties of Matter