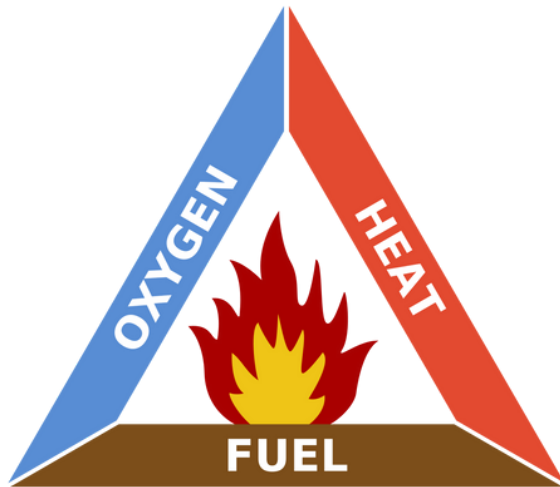


Matchstick Forest

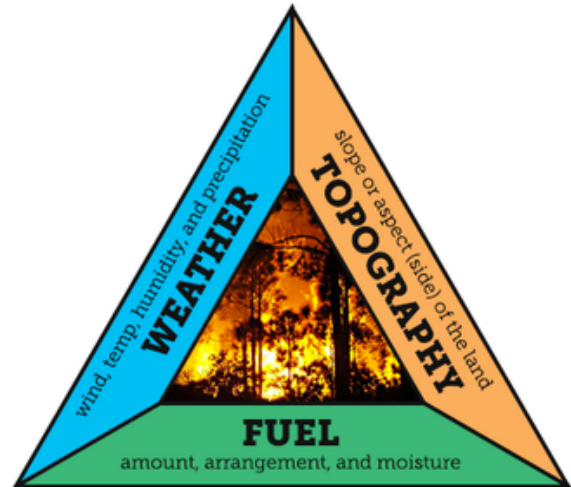
Today you are going to build and burn matchstick “forests” to model how forests burn. This will help you investigate the different factors that impact wildland fires.

Watch the pre-made forest model burn. Record your observations here.

Fire Triangle and Fire Behavior Triangle



Fire Triangle



Fire Behavior Triangle

Which parts of these fire triangles did you observe? Be specific.

Take one of the Fire Challenge cards. Work with your lab group to create a model that will test this fire behavior.

Watch the different models burn. Record your observations and explain how these illustrate the different parts of the Fire Behavior Triangle.

These models illustrate how fire spreads in a forest. How do you think that a warmer, drier climate will change how fire burns in our forests? Which parts of the Fire Behavior Triangle will be impacted?

Fire spreads through three methods: Convection, Conduction, and Radiation. Explain which of these you observed today in the models. Be specific.

