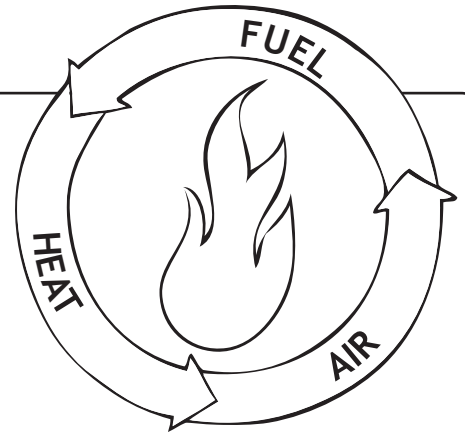




## Fire Science Answer Key



1. Why is it important not to open a door if the doorknob is hot?  
*Fire might be on the other side and opening the door could give it the oxygen it needs to spread.*  
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2. Why is crawling through smoke safer than walking through it?  
*Smoke rises, leaving more smoke-free air to breathe closer to the ground.*  
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3. Why is running a bad idea when your clothes are on fire?  
*Running is like using air to fan the flames.*  
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4. Why is “Stop, drop, and roll” a good idea?  
*Rolling deprives the fire of oxygen.*  
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5. Why will a wooden house burn faster than a brick one?  
*Wood is a better fuel; it’s more flammable.*  
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6. How does a fire extinguisher work?  
*The foam deprives the fire of oxygen.*  
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7. How do fire doors work?  
*Fire doors are made of fire-resistant materials that help prevent or delay the spread of smoke, heat, and flames.*  
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8. Why do firefighters carry compressed air and not oxygen in their tanks?  
*Oxygen tanks could explode in a fire.*  
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