



## Investigative Learning

Students should use the internet, encyclopedias and other library resources to complete the following activity.

1. What commodity fuels a subway? Electricity  
Does a subway have wheels? Yes  
List two cities that utilize a subway system. Chicago, New York City
2. What commodity fuels an ice resurfer? (Commonly known as a Zamboni.) propane, natural gas, electricity  
Does an ice resurfer have wheels? Yes  
What type of business would utilize this vehicle? Ice rinks
3. What commodity fuels a blimp? gasoline  
Does a blimp have wheels? 1 wheel for safely landing  
What is one function that a blimp serves for the military? Surveillance
4. What commodity fuels a barge? Diesel  
Does a barge have wheels? No  
What other vehicle does a barge depend on for transporting goods? Tug  
List 3 commodities that a barge transports. Heavy bulky items, another way to move grain, coal, oil, chemicals, trash
5. What commodity fuels a snowmobile? Gasoline  
Does a snowmobile have wheels? No  
Describe the bottom of a snowmobile. Skis
6. What commodity fuels a hovercraft? Diesel  
Does a hovercraft have wheels? No  
Where is a hovercraft used? To reach areas that are inaccessible on foot.
7. What commodity fuels a helicopter? Jet A fuel  
Does a helicopter have wheels? No  
What does the pilot use to steer a helicopter? Cyclic stick controls forward, backward, and side to side.
8. What commodity fuels a steam engine? Coal and water to make steam  
Does a steam engine have wheels? Yes  
What part of an engine does the steam come from? The boiler (firebox)
9. What commodity fuels an airplane? Jet fuel based on kerosene  
Does an airplane have wheels? Yes to land  
What are two tools that control the directional movement of an airplane? Tiller – to steer on ground. Yoke for flying
10. What fuels a hot air balloon? Liquid propane gas  
Does a hot air balloon have wheels? No  
Can the pilot steer a hot air balloon? No, it drifts with the wind.