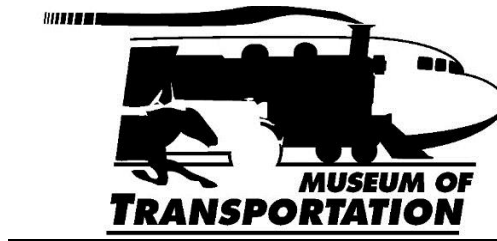


Investigative Learning

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

1. What commodity fuels a subway? _____
Does a subway have wheels? _____
List two cities that utilize a subway system. _____
2. What commodity fuels an ice resurfacer? (Commonly known as a Zamboni.) _____
Does an ice resurfacer have wheels? _____
What type of business would utilize this vehicle? _____
3. What commodity fuels a blimp? _____
Does a blimp have wheels? _____
What is one function that a blimp serves for the military? _____
4. What commodity fuels a barge? _____
Does a barge have wheels? _____
What other vehicle does a barge depend on for transporting goods?
List 3 commodities that a barge transports. _____
5. What commodity fuels a snowmobile? _____
Does a snowmobile have wheels? _____
Describe the bottom of a snowmobile. _____
6. What commodity fuels a hovercraft? _____
Does a hovercraft have wheels? _____
Where is a hovercraft used? _____
7. What commodity fuels a helicopter? _____
Does a helicopter have wheels? _____
What does the pilot use to steer a helicopter? _____
8. What commodity fuels a steam engine? _____
Does a steam engine have wheels? _____
What part of an engine does the steam come from? _____
9. What commodity fuels an airplane? _____
Does an airplane have wheels? _____
What are two tools that control the directional movement of an airplane?

10. What fuels a hot air balloon? _____
Does a hot air balloon have wheels? _____
Can the pilot steer a hot air balloon? _____



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.