VOLUME
1

STEM sports®

science • technology
engineering • math • sports

Multi-Sport Net Edition

Module 2.0

Playing on Ice

GRADES 6th – 8th

What Do You Need?

Supplies Provided

Worksheets

Materials Needed

Pencils

Optional yet recommended:
Ice Rink/Platform

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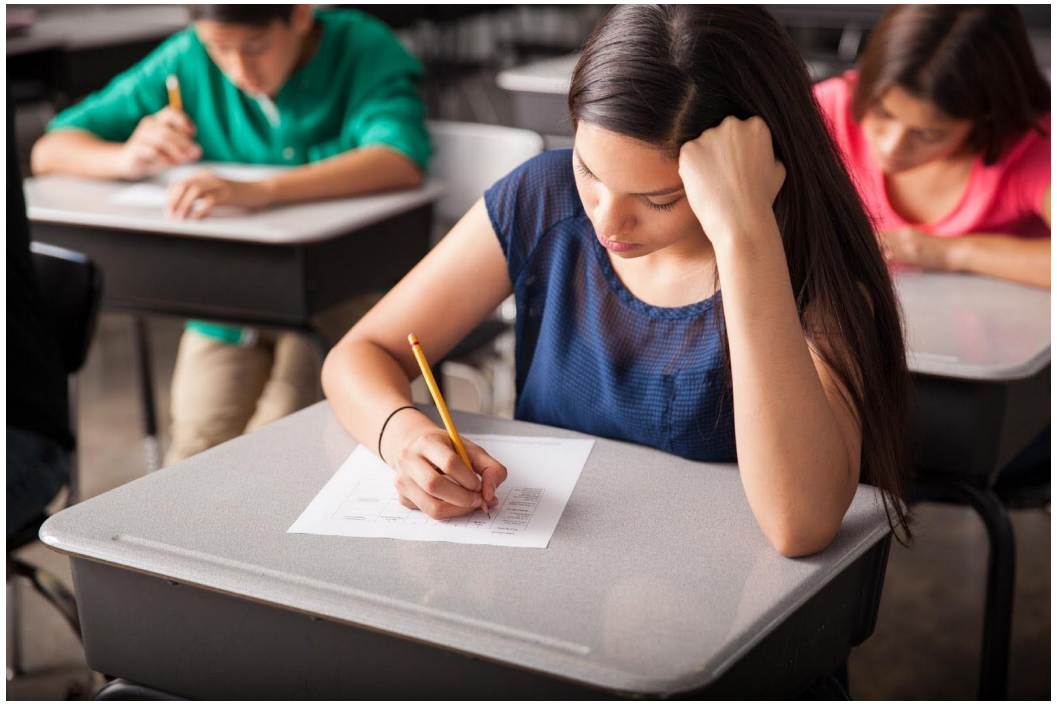
Test Your Knowledge

Have your students take this lesson's assessment prior to engaging by visiting: https://stemsports.com/assessments/.

If you have limited digital capability, please email Info@STEMSports.com to access the Assessment & Key.



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Engage

What do you think of when you see ice? Have you ever walked or skated on ice?

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Fun Fact

The layer of ice in an NHL rink is approximately three-quarters of an inch thick and is kept at a temperature of -9 degrees Celsius or 16 degrees Fahrenheit.

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Explore

What type of reaction is occurring between the skate and the ice?

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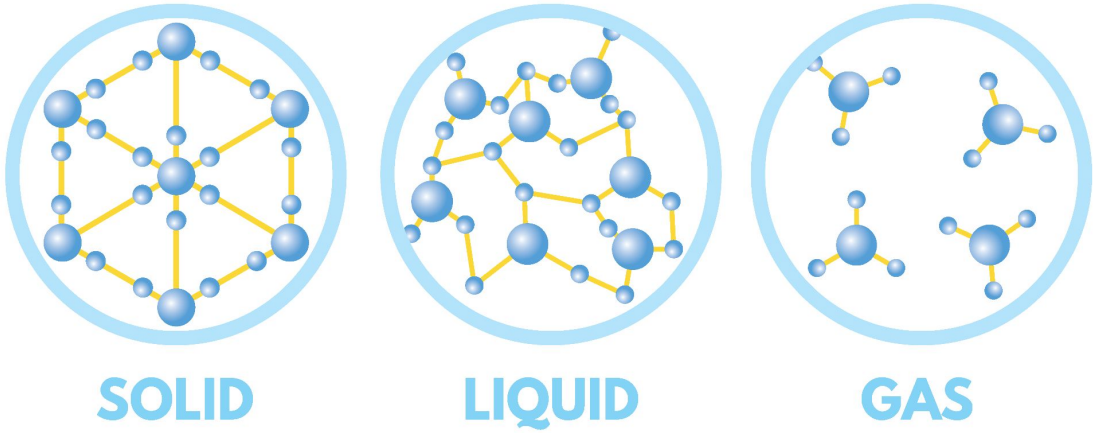
Explain

Learn about key terms: Molecule and Molecular Structure.



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Elaborate

Use the worksheet as a guide, create a diagram that demonstrates the change from a gas, to liquid, to a solid.

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Evaluate

Use the worksheet as a guide, and create a scale model hockey rink that shows the transformation of heat before, during, and after a hockey game.

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What Did You Learn?

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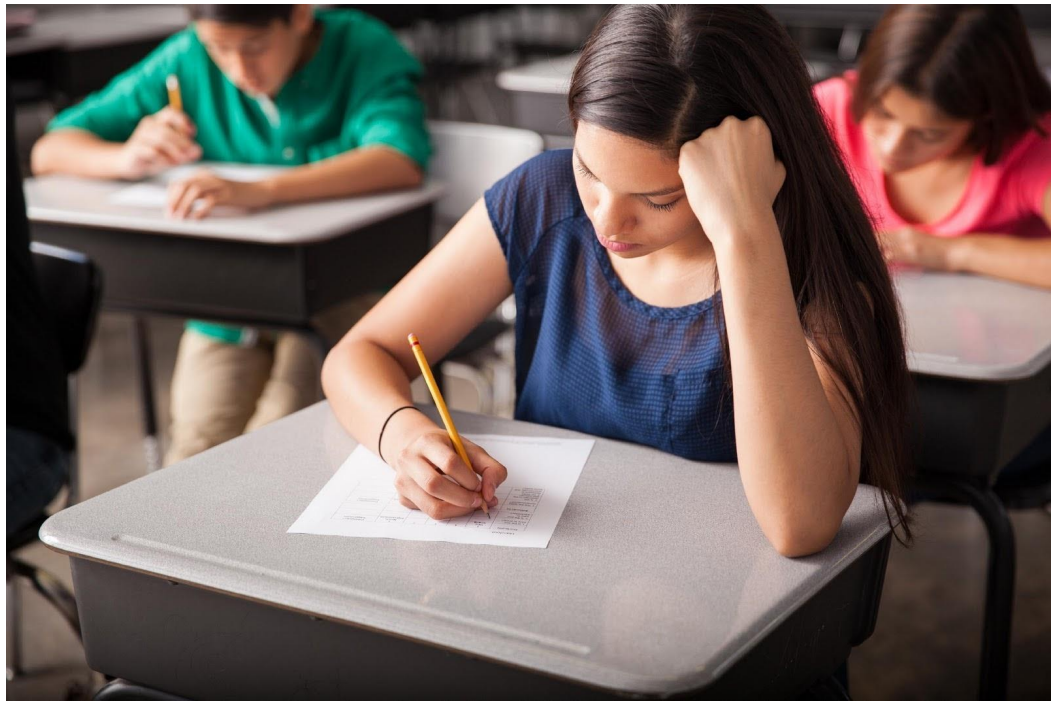

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Extend

Challenge Yourself!

Research the properties and functions of a Zamboni.

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What is your Dream Job?

STEM Jobs in Sports

- Ice Technician
- Zamboni Mechanic & Operator
- Ice Crew
- Hockey Skating Coach
- Operations Coordinator, Women’s Ice Hockey

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