

STEM
sports[®]

science • technology
engineering • math • sports

STEM Hockey

Module 3.0

Playing on Ice

GRADES 3rd – 5th



Module
3.0

GRADES
3-5

What Do You Need?

Supplies Provided

[Worksheets](#)

Materials Needed

Pencils

*Optional yet recommended:
Ice Rink/Platform*



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.



Fun Fact

The ice in a hockey rink is less than an inch thick.

Engage

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



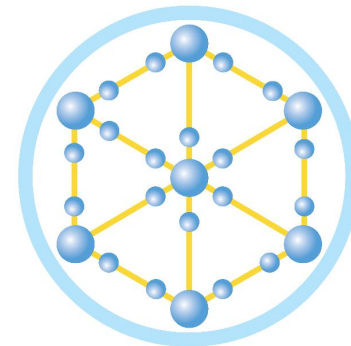
Explore



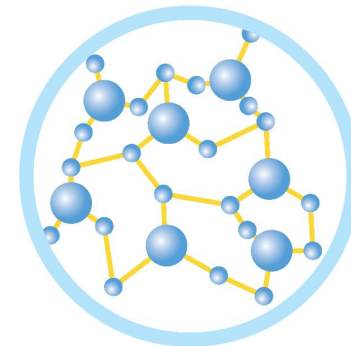
What type of reaction is occurring between the skate and the ice?

Explain

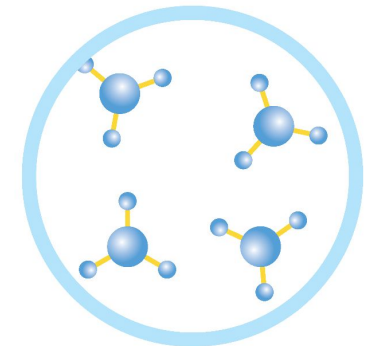
Learn about key terms:
Molecule and Molecular
Structure.



SOLID



LIQUID



GAS

Elaborate

Using the [worksheet](#) as a guide, create a diagram that demonstrates the change from a liquid to a solid.

Evaluate

Using the [worksheet](#) as a guide, fill in the blanks to determine the best playing surface for hockey.



What Did You Learn?

Have your students retake this lesson's assessment to effectively evaluate their comprehension by visiting:

<https://stemsports.com/assessments/>.

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Extend

Challenge Yourself!

Draw a scale model of a hockey rink to depict how the playing surface (ice) transforms before, during, and after a game.



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

Want to continue the education?

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