



STEM
sports[®]

BASKETBALL

Module 1.0

Basketball Matters

Special Teams Players





What Do You Need?

Supplies Provided

Worksheets, Youth Outdoor Basketballs, Indoor and Outdoor Cut Ball Swatches, Latex Balloons and Calipers

Materials Needed

Pencils and other Sports Balls (tennis, golf, ping pong or baseball)

Engage

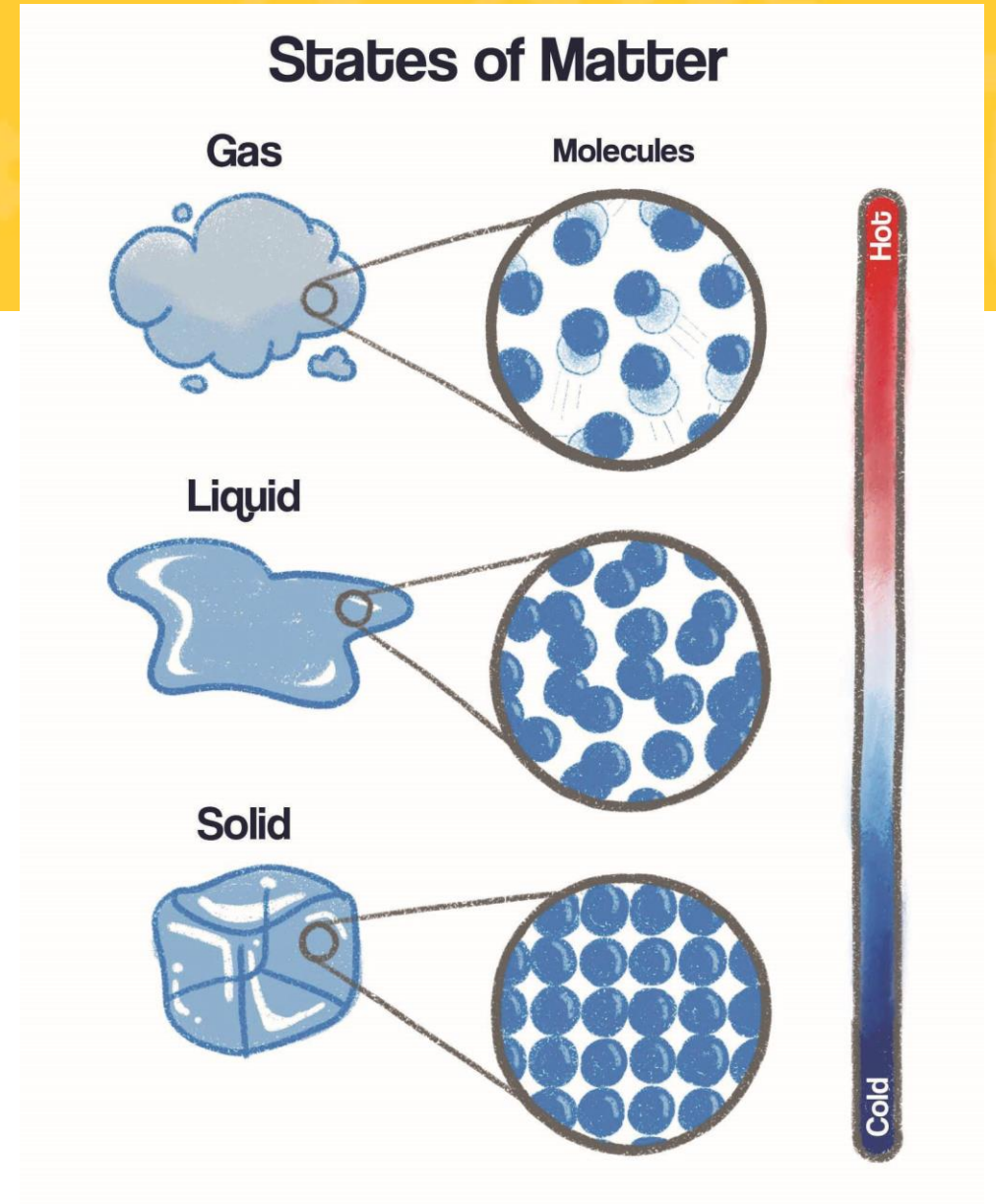
What is the difference
between a flat ball and an
inflated ball?

Explore

Observe and measure the
inside and outside of
basketballs. Use the worksheet.

Explain

Learn about the three (3) states of matter. What state of matter makes-up a basketball?



Elaborate



Observe other sport balls and describe similarities and differences.

Evaluate

Time to bounce/dribble the ball and play catch! Can you describe how the states of matter affect each ball differently?



Extend

Challenge Yourself!

Dissect a sport ball, observe, and write (or verbalize) a comparison.



What is your Dream Job?

STEM Jobs in Sports

- Equipment Manager
- Chemist
- Product (Development) Scientist
- Safety Inspector
- Ball Engineer

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