

Complete S.6.6.A Bundle

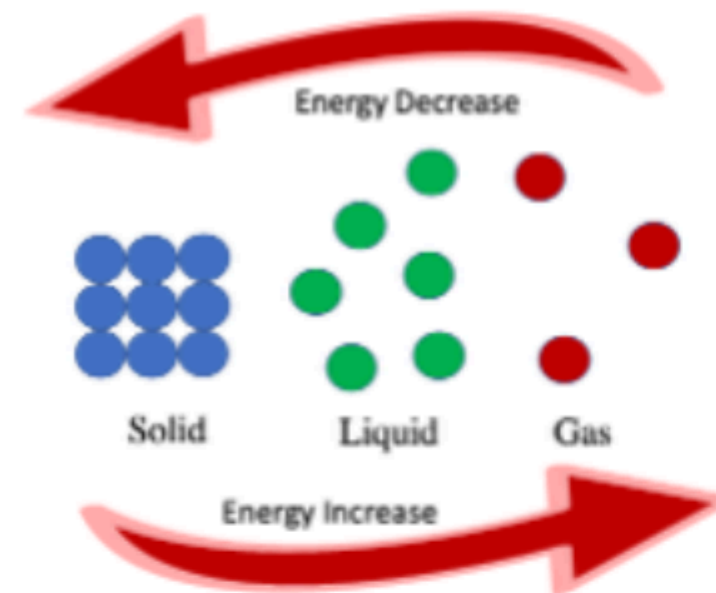
- **Lesson**
- **Activities**
- **Reading and Assessment**

SCROLL

to take a look inside!

TEKS Grade 6 - S.6.6.A Solids, Liquids & Gases - Shape, Volume, Structure, & Energy

- ✓ 6th Grade Science TEKS Curriculum Bundle
- ✓ Variety of Lesson and Activity Types
- ✓ Digital + Printable Formats



NEW 2024



Daily Teaching Timeline Included

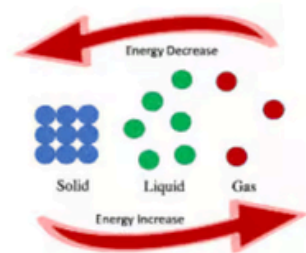
Particle Motion, Temperature, and States of Matter Lesson

- Lesson
- 6th, 7th, 8th Grade

- NO PREP - Just download and Go!

MATTER AND THE PARTICLE THEORY INFOGRAPHIC ASSIGNMENT

- Students are tasked with creating an infographic that demonstrates their understanding of matter and the particle theory
- Full rubric included



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Matter

Science Reading Comprehension Article - Grade 8 and Up

The Mysteries of Matter: Exploring the Building Blocks of the Universe

Introduction
Matter is a term that you'll often hear in science because it's all around us. Simply put, matter is anything that has mass and takes up space. Something you can touch, see, or hold is made of matter, including your understanding matter is the building block that can unlock the mysteries of the physical world. It helps us learn how things work, from the smallest cell in our body to the vastness of outer space.

Understanding the States of Matter
Matter around us exists mainly in three familiar states: solid, liquid, and gas. These states are the different personalities of matter, each with unique characteristics. Solids are the strong and steady form of matter. They maintain a fixed shape and volume. Like the desk you're sitting at or the ice in your drink. The particles in a solid are tightly packed, vibrating in place but not moving around.

Liquids are the most flexible state of matter—they have a fixed volume but take the shape of their container. Like water in a glass. The particles are still close together but can move and slide past one another, which is why liquids can flow.

Gases are the free spirits of matter; they have neither fixed volume nor shape and will expand to fill any container they are in. Think of the air around you; you can't see it, but it's there, filling up every nook and cranny. The particles in a gas are far apart and move rapidly in all directions.

Solids can transform into one another through various processes. Metals can melt easily. Liquids can freeze into solids. Liquids can evaporate into gases, and gases can cool back into liquids. This is happening all around us, like when water boils or ice melts.

Of course, plasma is the superheated state of matter found in the sun and stars. It's like a supercharged gas where the electrons are stripped away from atoms, creating a soup of charged particles.

There's a fascinating and less common state of matter called Bose-Einstein Condensate (BEC). This state is the coldest of matter that occurs at super-cold temperatures closer to absolute zero. Here, we slow down and control, behaving more like a single particle than separate entities. It's a state of matter that's not found naturally on Earth and is created in laboratories to study quantum mechanics.

Of these states, gases are the most adaptable and changeable in our universe.

Energy Increase

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Improve your students' Scientific Literacy and Analysis Skills, use as an Emergency Substitute Plan or Create Applicability in your Classroom

TEKS – Grade 6

S.6.6.A - The student is expected to compare solids, liquids, and gases in terms of their structure, shape, volume, and kinetic energy of atoms and molecules.

- Particle Motion, Temperature, and States of Matter Lesson
- Matter - Exploring the World Around You – Reading
- Matter and the Particle Theory Infographic Assignment

TEKS Science Daily Teaching Plan

Lesson Length: 55 minutes

Timeframe: 4 – 5 Days

Day	Lesson / Activity
1	Particle Motion, Temperature, and States of Matter Lesson
2	Matter - Exploring the World Around You – Reading
3	Matter and the Particle Theory Infographic Assignment
4	Matter and the Particle Theory Infographic Assignment (can use additional day)

NO PREP

Just Download and Teach

- ✓ **Complete S.6.6.A - 6th Grade Science TEKS Curriculum.**
- ✓ **Variety of Lesson Types** - Includes a lesson, activities, assessments, and more.
- ✓ **Daily Teaching Timeline Included** - Includes a ready-to-go, daily teaching timeline.
- ✓ **Digital + Printable Formats** - Ideal for classroom, hybrid, or remote learning environments with flexible access options.

Who is it for?

- **Teachers who teach 6th grade science in Texas**
- **Teachers who want multiple resources at their fingertips including lessons and a variety of activities, in order to prepare their students for the STAAR Science Exam**
- **Teachers who don't have time to develop their own resources or organize what to teach and when**

Fully Editable and Interactive