

The Properties of Air Lesson

- Lesson
- Grade 6-8
- NO PREP - Just download and Go!



“

★★★★★ Extremely satisfied - Loved it.

★★★★★ Extremely satisfied - Students liked the embedded videos and were engaged.

”

SCROLL
to take a look inside!



HOW THIS LESSON HELPS YOU

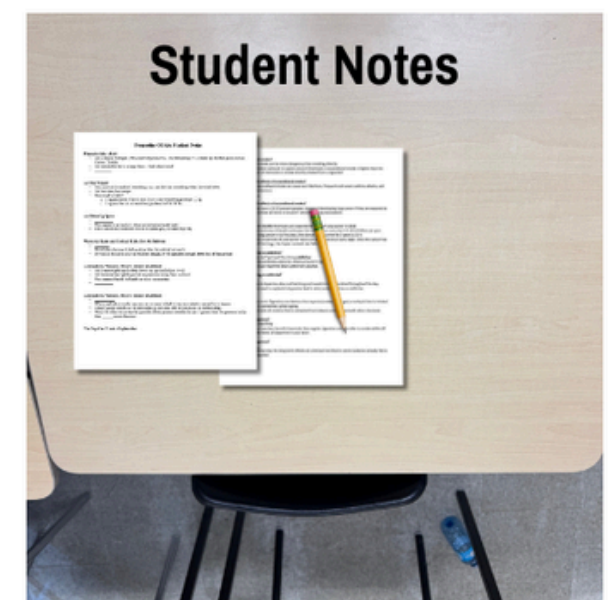
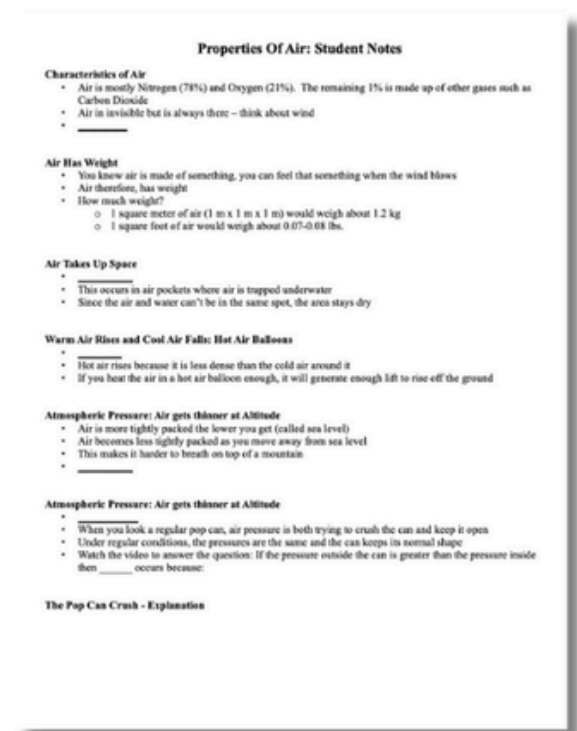
- **Saves Prep Time -**
Everything is pre-made, ready to go, and fully editable.
- **Provides Applicability -** the lesson includes multiple examples of real-life applications.

NO PREP

✓ **Simply Download and Teach/Upload to your class site.**

✓ **Interactive & Video-Enhanced Lesson**

✓ **Google, Office, & PDF**

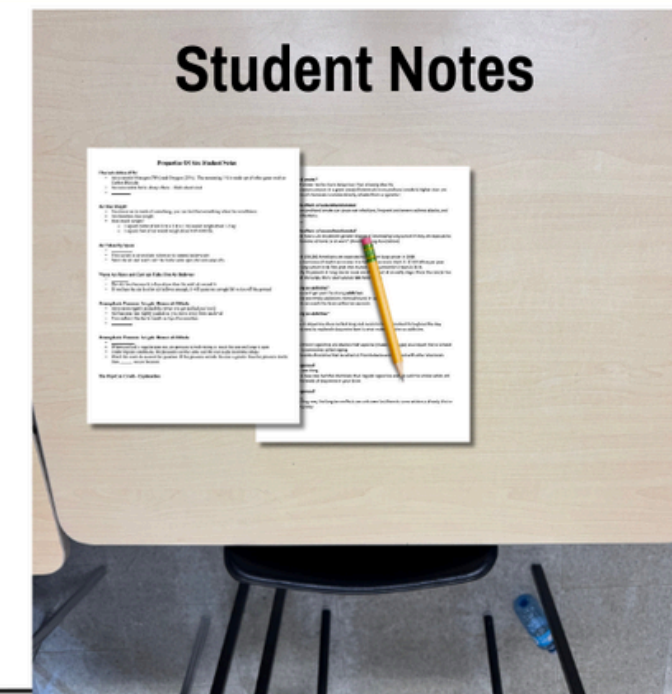


★ A Complete, Fully-
Editable Lesson &
Student Notes

★ Teacher and Student
Versions of your Lesson
with Embedded Videos

What You Get

THE PROPERTIES OF AIR
TEACHER & STUDENT VERSION



Air Has Weight

- You know air is made of something; you can feel that something when the wind blows
- _____
- _____
- 1 square meter of air (1 m x 1 m x 1 m) would weigh about 1.2 kg
- 1 square foot of air would weigh about 0.07-0.08 lbs.



Student version of the lesson includes blanks to fill in.

What Will Your Students Learn?

Videos Embedded & Student Notes



Google, PDF, & Office Versions



- ✓ Characteristics of air
- ✓ Air has weight
- ✓ Air takes up space
- ✓ Warm Air Rises and Cool Air Falls
- ✓ Atmospheric Pressure and whether
- ✓ Moving air creates lift
- ✓ Why do we need air?
- ✓ Application for the Properties of Air



Your Lesson

Properties Of Air: Student Notes

Characteristics of Air

- Air is mostly Nitrogen (78%) and Oxygen (21%). The remaining 1% is made up of other gases such as Carbon Dioxide
- Air is invisible but is always there – think about wind
- _____

Air Has Weight

- You know air is made of something, you can feel that something when the wind blows
- Air therefore, has weight
- How much weight?
 - 1 square meter of air (1 m x 1 m x 1 m) would weigh about 1.2 kg
 - 1 square foot of air would weigh about 0.07-0.08 lbs.

Air Takes Up Space

- _____
- This occurs in air pockets where air is trapped underwater
- Since the air and water can't be in the same spot, the area stays dry

Warm Air Rises and Cool Air Falls: Hot Air Balloons

- _____
- Hot air rises because it is less dense than the cold air around it
- If you heat the air in a hot air balloon enough, it will generate enough lift to rise off the ground

Atmospheric Pressure: Air gets thinner at Altitude

- Air is more tightly packed the lower you get (called sea level)
- Air becomes less tightly packed as you move away from sea level
- This makes it harder to breath on top of a mountain
- _____

Atmospheric Pressure: Air gets thinner at Altitude

- _____
- When you look a regular pop can, air pressure is both trying to
- Under regular conditions, the pressures are the same and the ca
- Watch the video to answer the question: If the pressure outside then _____ occurs because:

The Pop Can Crush - Explanation



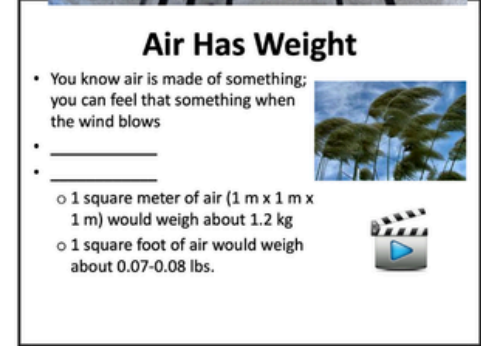
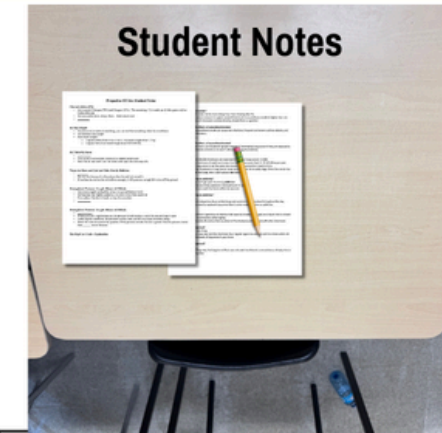
Student Notes in Word

1-Click Google Access

Teacher and Student Versions of the Lesson

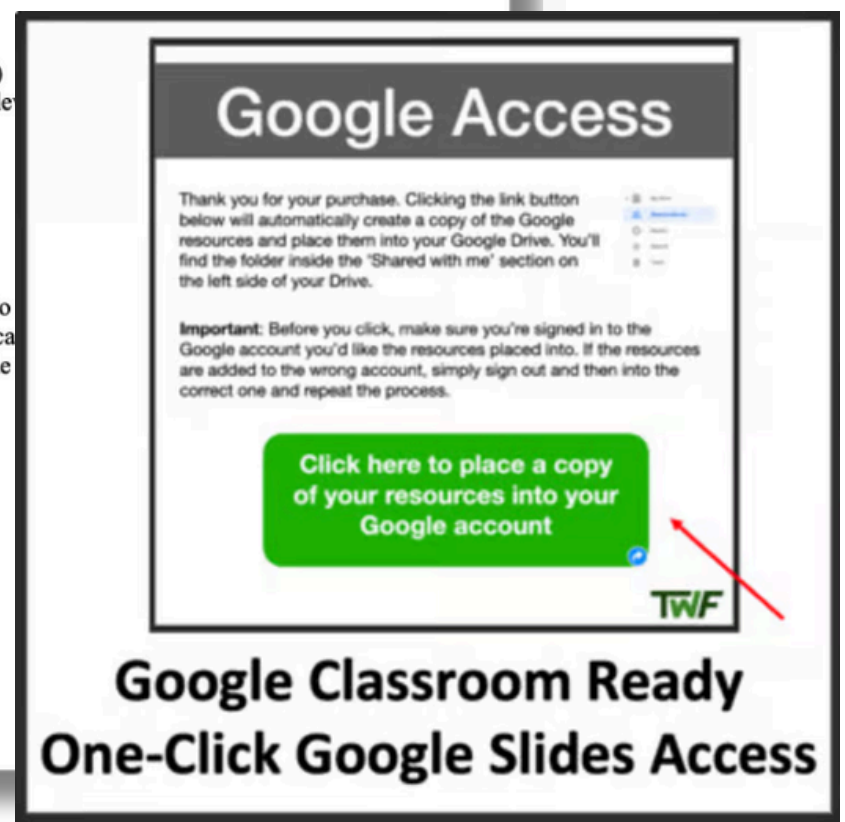
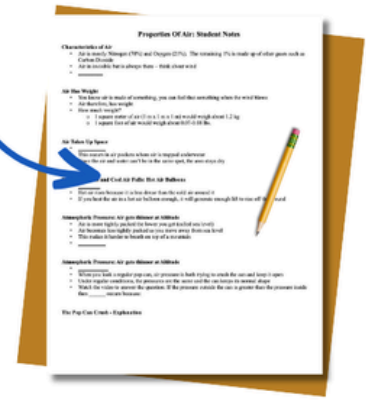
Videos embedded in your slides

THE PROPERTIES OF AIR TEACHER & STUDENT VERSION



Student version of the lesson includes blanks to fill in.

Videos Embedded & Student Notes



As a special bonus, I want to send you a few resources that you can use in your classroom tomorrow. Completely free and geared towards what you teach!



Just  **and then choose what you teach!**

thanks
**for your interest
in this resource!**

