

Scientific Method

Introduction

<https://www.youtube.com/watch?v=SMGRe824kak>

<https://www.youtube.com/watch?v=3nAETHZTObk>

Scientific Variables

<https://www.youtube.com/watch?v=x2606GQmDqY>

Matter Videos

Matter Review

<https://www.youtube.com/watch?v=wcIY8F-UoTE&feature=youtu.be>

<https://www.youtube.com/watch?v=ELchwUIIWa8&feature=youtu.be>

Parts of an Atom

<https://www.youtube.com/watch?v=R1RMV5qhwyE>

How to Read a Periodic Table and How to Draw an Element Correctly

<https://youtu.be/tc9tEUqUmKw> (Please note the 3rd shell will take 18 electrons to be full, not 8)

Knowing the Difference Between an Atom/Element/Molecule/Compound

<https://youtu.be/pSJemJaCkVU>

<https://youtu.be/54GaGIDHwxY>

Composition of Air

<https://www.youtube.com/watch?v=ltPXu-o3tNo>

Composition of Earth's Crust

<https://www.youtube.com/watch?v=DHk-xnoUGk4>

Composition of Living Matter

<https://www.youtube.com/watch?v=InDlqZD2mvY>

Properties of Water

Properties of Water

<https://www.youtube.com/watch?v=3jwAGWky98c>

<https://www.youtube.com/watch?v=z5Vm56Pu4hU>

Basics of Freshwater

<https://www.youtube.com/watch?v=oaQCiwzjnCM&t=11s>

5 Facts about Density

<https://www.youtube.com/watch?v=zlkpZZW29b0>

Density: Why does oil float on water?

<https://www.youtube.com/watch?v=vSXTBnnx4OA>

Specific Heat of Water

<https://www.youtube.com/watch?v=vSXTBnnx4OA>

<https://www.youtube.com/watch?v=UtyyUHJGsUY>

Weathering and Erosion

<https://www.youtube.com/watch?v=R-lak3Wvh9c>

Chemical Weathering

<https://www.youtube.com/watch?v=P8oWj3PVK9E>

Watershed Videos

Chesapeake Bay (CB) Foundation Videos

<https://www.chesapeakebay.net/discover/videos>

Introduction to Watersheds

<https://www.youtube.com/watch?v=QoqgzJAf6LQ>

https://www.youtube.com/watch?v=aq_AydC77Gs

<https://www.youtube.com/watch?v=2pwW2rIGIa8>

CB Watershed Location

<https://www.youtube.com/watch?v=JuNBP3UYykg>

CB Watershed Introduction

https://www.youtube.com/watch?v=SfBZ6a6E_i4

<https://www.youtube.com/watch?v=RzPkK1JQ7c8>

CB Watershed

https://www.youtube.com/watch?v=7_-Bnn8xdQc

Wetland Ecosystems

<https://www.youtube.com/watch?v=1WlmGyN9VXs>

Abiotic/Biotic Factors

<https://www.youtube.com/watch?v=MdlwPtKg-VI>

Turbidity, Dissolved Oxygen, Temperature and pH

<https://www.youtube.com/watch?v=12MRuferZ78>

Secchi Disk Reading

<https://www.youtube.com/watch?v=XYjh6sD6Bqk>

Topographic Maps

<https://www.youtube.com/watch?v=K-UXrpAjyI0&list=PLcJ4m6mN5Y1MQemS7hh-Nb4GonIMCLTC7>

Aquifers

<https://www.youtube.com/watch?v=MeeYy-dVzJU>

Energy Videos

What is Energy?

<https://www.youtube.com/watch?v=YzNUanYhrps&feature=youtu.be>

Potential/Kinetic Intro

<https://www.youtube.com/watch?v=T5WJoup-RD8&feature=youtu.be>

Types of Potential

<https://www.youtube.com/watch?v=28MQF0RNI3g&feature=youtu.be>

<https://www.youtube.com/watch?v=0BObd3DsNFM&feature=youtu.be>

<https://www.youtube.com/watch?v=enUBooHI5uY&feature=youtu.be>

Types of Kinetic

<https://www.youtube.com/watch?v=8hDHZcB9jWA>

<https://www.youtube.com/watch?v=J63BlmgBocc>

https://www.youtube.com/watch?v=e_CcrgKLyzc

Energy Transformation

https://www.youtube.com/watch?v=DvCWuOuaG_c

<https://www.youtube.com/watch?v=-8atIc3XixY>

https://www.youtube.com/watch?v=DvCWuOuaG_c

Heat Transfer

<https://www.youtube.com/watch?v=FJTD-GptXU4>

Renewable/Non-Renewable

<https://www.youtube.com/watch?v=6dVg20H-bA4>

Renewable/Non-Renewable Pros and Cons

<https://www.youtube.com/watch?v=gAES1ARTXUg> General Overview

<https://www.youtube.com/watch?v=XCfFde-8aAE> Coal

<https://www.youtube.com/watch?v=76mELaUN6yM> Natural Gas

<https://www.youtube.com/watch?v=nlpD6BT0YuM> Wind

https://www.youtube.com/watch?v=MSDG5EqV_F0&list=PLAh-P3p3v3Tv6C3HYoXRbrg6z43T2p2Kv Solar

<https://www.youtube.com/watch?v=QiBE4tLlZeE&index=5&list=PLAh-P3p3v3Tv6C3HYoXRbrg6z43T2p2Kv> Geothermal

<https://www.youtube.com/watch?v=G3Dd5eBh7N4&list=PLAh-P3p3v3Tv6C3HYoXRbrg6z43T2p2Kv&index=6> Hydropower

<https://www.youtube.com/watch?v=96ejyj68IqE&index=3&list=PLAh-P3p3v3Tv6C3HYoXRbrg6z43T2p2Kv> Nuclear

<https://www.youtube.com/watch?v=XsuXcRQFcgg&list=PLAh-P3p3v3Tv6C3HYoXRbrg6z43T2p2Kv&index=4> Biofuels

Atmosphere Videos

Energy Budget

<https://www.youtube.com/watch?v=7vTfyAMu6G4>

Solar Radiation

https://www.youtube.com/watch?v=6FB0rDsR_rc

Thermal Energy

<https://www.youtube.com/watch?v=xGKg3TSO4v8>

Electromagnetic Spectrum

<https://www.youtube.com/watch?v=cfXzwh3KadE>

Longer detailed version: <https://www.youtube.com/watch?v=HPcAWNIVl-8>

Convection/Radiation

<https://www.youtube.com/watch?v=FJTD-GptXU4>

Earth's Atmosphere – What is it made of?

<https://www.youtube.com/watch?v=ltPXu-o3tNo>

<https://www.youtube.com/watch?v=J4YLPGQYZTs> **Top 10 Gases**

<https://www.youtube.com/watch?v=ryg3zu4e3y4> **Greenhouse Gases and Trace Gases**

Pressure Temp Humidity

<https://www.youtube.com/watch?v=pHrCSuiz3c0> **Air Pressure**

<https://www.youtube.com/watch?v=bObOmnL-ujY> **Temperature/Heat**

<https://www.youtube.com/watch?v=iKpHSIZdwoM> **Humidity**

Atmosphere Layers

<https://www.youtube.com/watch?v=BbwEF6xvIVg>

Green House Effect

https://www.youtube.com/watch?v=Z_jHP6xBLe8

Weather

Weather/Climate

<https://www.youtube.com/watch?v=YbAWny7FV3w>

Cloud Formation

<https://www.youtube.com/watch?v=-YySlYzvtU>

<https://www.youtube.com/watch?v=UZEETyzql0Q>

Types of Clouds

<https://www.youtube.com/watch?v=FMagDRCpJ14>

Uneven Heat Distribution

<https://www.youtube.com/watch?v=7vTfyAMu6G4>

Uneven Heating

<https://www.youtube.com/watch?v=rhy3h6h5Dak&feature=youtu.be>

<https://www.youtube.com/watch?v=y986-h3dfCk>

Sea/Land Breeze

<https://www.youtube.com/watch?v=P-G0YkfgdbA&feature=youtu.be>

Fronts

<https://www.youtube.com/watch?v=PJ4M6sERLM4>

<https://www.youtube.com/watch?v=dwIQds-4I7I>