

ENERGY

1. ENERGY

Toss Up: Short Answer

What is the most common sulfur compound that occurs naturally in natural gas?

Bonus Answer: HYDROGEN SULFIDE

Bonus: Short Answer

Earth's core is kept hot by the radioactive decay of several radioactive substances, including Uranium-235 and 238; name the other two heat-producing isotopes which are also significant contributors to the radioactive heat production of the Earth.

Bonus Answer: POTASSIUM-40 AND THORIUM-232 (Question is very hard?)

2. ENERGY

Toss Up: Short Answer

Who was the Joule named after?

Bonus Answer: James Joule

Bonus: Short Answer

Who was the watt named after?

Bonus Answer: James Watt

3. ENERGY

Toss Up: Multiple Choice

In what bulk form is the most energy stored?

- W) compressed gases
- X) water behind dams
- Y) chemical batteries
- Z) temperature gradients

Toss Up Answer: X

Bonus: Short Answer

Which country has the highest amount of solar power per capita?

Bonus Answer: Germany

4. ENERGY

Toss Up: Short Answer

Order the following fuels by extractable energy per pound, from least to greatest. uranium, thorium, gasoline, coal

Bonus Answer: coal, gasoline, uranium, thorium

Bonus: Multiple Choice

Which is the leading source of carbon monoxide emissions in the US?

- W) forest fires
- X) vehicles
- Y) factories
- Z) lightning

Bonus Answer: X

5. ENERGY

Toss Up: Short Answer

Used normally, a 150-watt, 120 volt light bulb requires how many amps of current?

Bonus Answer: 1.25 Amps

Bonus: Short Answer

If 10 joules of energy are required to move 5 coulombs of charge between two points, the potential difference between the two points is equal to how many volts?

Bonus Answer: 2 volts
