

Lesson 48

Earth Science/Chemistry – Translating Languages

Read: Genesis 11

Words: grammar – rules of language

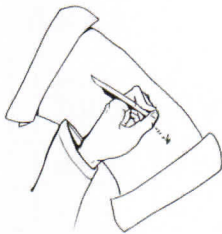
What language problems did the people have?

They gave up on trying to talk to each other. This is because God confused their language.



A translator is needed

Genesis 11:7 – *Go to, let us go down, and there confound their language, that they may not understand one another's speech.*



Why could they not understand each other's speech?





Asahiah (Science)

They could not understand each other's speech because they did not know how to translate. There are two parts to speech: **words and grammar.** All languages are based on about **forty to fifty sounds.** **Some languages do not have the same sounds as other languages?** For example, there is a sound in Spanish that most English- speakers cannot make. It is the **“rolling r”** sound.

A Man Speaking Spanish

Something to think about:

Do you know someone who speaks a different language?
Do you know some words in this language?

What does Jesus have to do with other languages?

On earth, Jesus spoke in both Hebrew and Aramaic.



Matthew 27:46- *And about the ninth hour Jesus cried with a loud voice, saying, Eli, Eli, lama sabachthani? That is to say, My God, my God, why hast thou forsaken me?*

Questions for Junior Lesson 48:

1. What are the two parts to speech?
2. How many sounds are languages based on?
3. How do languages differ?
4. What is a sound in the Spanish language that most speakers of English cannot make?

Are you glad that Jesus left His words for us in the gospels?

Junior Lesson 48 – Language Conversions

(Note: Chemistry Lesson 48 is the same as Physics Lesson 49 because both subjects cover the same material.)

While most of the world has decided to make measurements with the metric system, the United States still uses the English system. As a result, it is necessary to convert measurements from the English system to the metric system and back again. The following are the conversion factors used to do this:

LENGTH

1 inch	2.5 centimeters
1 foot	30 centimeters
1 yard	0.9 meter
1 mile	1.6 kilometers

AREA

1 sq. in	6.5 square centimeters
1 sq. ft	0.09 square meters
1 sq yd	0.8 square meters
1 acre	0.4 hectare

VOLUME

1 tsp	5 milliliters
1 tbsp	15 milliliters
1 fl. ounce	30 milliliters
1 cup	0.24 liter
1 pint	0.47 liter
1 quart	0.96 liter
1 gallon	3.8 liters

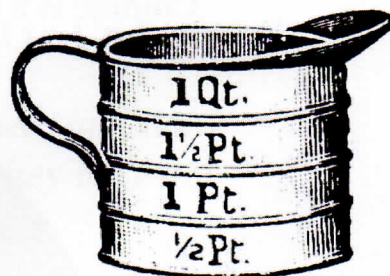
MASS/WEIGHT

1 ounce	28 grams
1 pound	0.45 kilograms
1 ton	0.9 tonne

TEMPERATURE

To go from Fahrenheit to Celsius, subtract 32 degrees and multiply by $\frac{5}{9}$. To go from Celsius to Fahrenheit, multiply by $\frac{9}{5}$ and add 32 degrees.

English
System



Questions for Junior Lesson 48

1. What are the length conversions?
2. What are the area conversions?
3. What are the mass/weight conversions?
4. What are the temperature conversions?
5. What are the volume conversions?

Intermediate and Advanced Lesson 48 –EARTH SCI/CHEMISTRY
Human Languages

Spiritual Application: God used the speaking of other languages as a sign to the Jews.

I Corinthians 14:21 – *In the law it is written, With men of other tongues and other lips will I speak unto this people; and yet for all that will they not hear me, saith the Lord.*

Intermediate Research Questions

1. How many major languages are there in the world?
2. How many dialects are there in the world?
3. How many dialects have their own translation of the Bible?

Advanced Research Questions

1. Describe the different inflections found in various languages.
2. What are easy languages for people who speak English to learn?
3. What are hard languages for people who speak English to learn?

Chinese is a difficult language for English-speakers to learn.

