

LESSON 4 WORKSHEET
SURVIVAL SCIENCE

NAME: _____
INITIALS: _____

TINKERING (Short Answer)

1. What type of shaft/rod did your “wheel” project use (fixed or free)?
2. How would you prefer to configure your shaft/rod to do work?
3. What are RPM’s or rps’s (math abbreviation is great)?
4. What modifications would you make to your “wheel” or shaft if you could (add connecting rods, additional shafts, gears, etc.)?

ENERGY TYPES

Determine the Energy Type: Underline the correct answer.

- | | | | |
|-------------------------------------|-----------|----|---------|
| 1. Food or Gasoline | POTENTIAL | or | KINETIC |
| 2. A Working Waterwheel or Windmill | POTENTIAL | or | KINETIC |
| 3. Elevated Water | POTENTIAL | or | KINETIC |
| 4. Flowing Water | POTENTIAL | or | KINETIC |

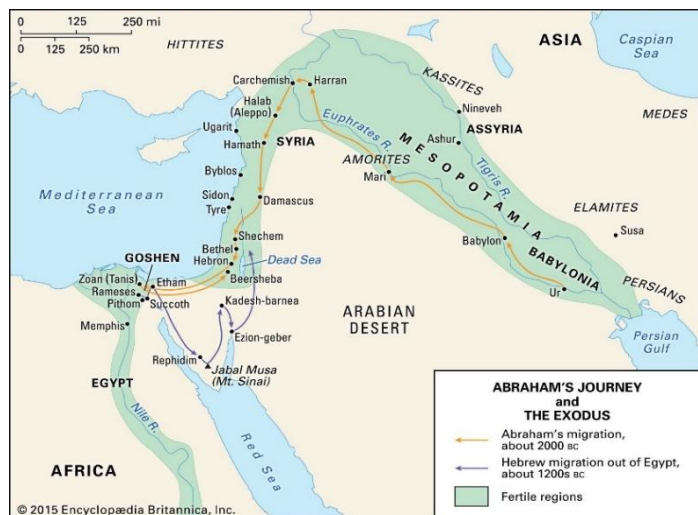
MAP READING – MEASURING ABRAHAM’S JOURNEY

USE THE mi/km SCALE:

- a) What is the approx. distance from Ur to Harran: _____ km
- b) What is the approx. distance from Ur to Harran: _____ mi
- c) What is the approx. distance from Harran to Shechem: _____ km
- d) What is the approx. distance from Harran to Shechem: _____ mi

QUESTIONS:

1. Why did Abraham go to Egypt?



2. What was Abraham’s family’s total distance traveled in km before settling in Shechem?

Equation:

(Add ALL distances traveled) **ANSWER:** Approximately _____ km

3. Based on your knowledge and reading the map, what makes certain regions fertile?

4. Why did Abraham take the long way for his journey, rather than the shortest path?