

Game Materials (to print and cut out)

Name/Age: Michael (59)
Occupation: Mechanic
Salary: 25,000

Name / Age: Pedro (52)
Occupation: Farm Worker
Annual Salary: 22,000

Living Expenses

1. Required Expenses

- a. Groceries -- \$6500
- b. Commodities -- \$1000
- c. Utilities -- \$1500
- d. Rent -- \$8500
- e. Transportation -- \$500
- f. Water -- \$200

2. Water Expenses

- a. Pay for bottled water (10% total income)
- b. Drill a new well --
 - i. \$6000 for digging
 - ii. \$1000 for well pump
 - iii. Clean water not guaranteed
- c. Chlorinate the water -- \$17000
 - i. Can split the cost with another person
 - ii. Chlorination systems can support 2 families
- d. New piping to replace aging ones -- \$3000
 - i. Starting to leak pipe
 - ii. Rusting → Arsenic content in water

3. Optional Expenses

- a. Healthcare -- \$8000
- b. Textbooks -- \$1200
- c. Shoes -- \$200

Calculation Chart

Expense Type:	Cost of Expense	Money Leftover:

Event Cards

Medical Bills
Unfortunately due to the lack of clean water you caught a disease known as cholera. As a result, you have to pay \$150 per week for 4 weeks for medicine. Amounts to \$600.

Car Crash
While driving to your boss's farm you made a bad turn and hit a tree trunk going at 35 mph. Now you have a broken neck and have to pay 3,000 for a new car. You can either go to work and prolong your injury or rest and not receive money for 3 months.

Lost Job

With the invention of faster, stronger, and more efficient technologies, you are no longer needed! You have been given a 4 weeks notice before you are to be laid off from your job. You now have to spend 3 months (without pay) so you can look for a new job. (Take 25% off yearly salary)

Ill Children

You are a single mother and your child has fallen victim to the flu. You can either to stay at home and risk losing your weekly paycheck which is 7% for two weeks, and risk going hungry for the week, or you can go to work and risk your child's condition getting worse.

Collapse of Well

Water levels drop so low that one of the well shafts collapses, requiring more than \$70,000 in repairs. You can either pay it in installments of \$14000 a year or you can switch to bottled water or dig a new well.

Have to visit family far away

Your grandmother has recently passed away and your grandfather is calling you to come halfway across the world. Plane tickets will cost around \$1000 for a round trip.

Person Information Card

Name: Michael (59)

Gender: Male

Occupation: Mechanic

Yearly Salary: 25,000

Residence: San Joaquin Valley



Picture

Person Information Card

Name: Pedro

Gender: Male

Occupation: Farm Worker

Yearly Salary: 22,000

Residence: San Joaquin Valley



Picture

Simulation Game Rules

1. You represent a person in the San Joaquin Valley
 - a. You start with 20 thousand dollars (average yearly income of a resident in the San Joaquin Valley)
 - b. You have some required expenses that you must pay (i.e. rent, groceries)
 - c. You have “Other Necessities” that you should have but are not needed to survive.
2. Then, you have to figure out a way to get clean water with the remainder of your money
 - a. Try different solutions
 - i. Pay for bottled water on top of your water utility bill
 - ii. Drill a new well (Chance it still won't turn up clean water)
 - iii. Chlorinate the water
 - iv. Install new piping
3. Additional challenges
 - a. Draw 1 Event Card to add an additional challenge in this person's life. This is representative of the hardships that these people face on a regular basis.

Each option costs money

- Take away from the money you have to see how bad the situation has gotten