CIA4U1
Unit 4 Macroeconomics
Introduction



GDP Monopoly

Citizens of your country

1. _____ -Prime Minister: Review rules for Monopoly and ensures rules are followed
2. _____ - Banker: Handles money
3. _____ - Real Estate Agent: Keeps up with property
4. _____ - Economist: Records spending and computes GDP

Assignment:

- Play Monopoly while keeping track of items that would be counted toward GDP.
- Each 20 minutes of the game is a year (you must keep track of your spending each year!)
- There will be 4 years in the game.
- Find a GDP total for each year and the percent change in GDP from one year to the next.

In addition to all of the usual rules, the following are added for computation of GDP:

1. Buying property and falling on other people's property is considered consumption spending.
2. All construction (houses, apartment buildings) would go under investment spending as well as purchasing the railways and utilities.
3. Each time someone lands on "GO" the government will pay them $200 dollars as a service for cleaning up the property.
4. Each time someone is "Just Visiting" in jail, it increases Exports by $10 (i.e. The first time someone lands on Just Visiting, we consider that $10 in exports…and then that person gets $10 from the bank. The second time anyone lands on Just Visiting we consider that $20 in exports… and that person gets $20 from the bank). This will start over each year.
5. Similarly, when someone lands on "Free Parking," it increases Imports by $10 (i.e. the first time someone lands on Free Parking they pay $10 for imports to the bank. The second time, anyone who lands there pays $20 to the bank…and so on). This will start over each year.

$$\text{GDP \% change} = \frac{\text{New GDP - Old GDP}}{\text{Old GDP}}$$

From North Carolina K12

Year	**Consumption Spending (C)** Buying property and landing on property	**Investment Spending (I)** All construction (houses, apartment buildings), railways, and utilities.	**Government Spending (G)** Landing on GO	**Net Exports (NX)** Just Visiting (+) Free Parking (-)	**GDP (C+I+G+NX)**
Year 1					
Year 2					
Year 3					
Year 4					

Fill in the blanks below:
Total GDP for year 1 $ _____

Total GDP for year 2 $ _____
GDP percent change from year 1 to year 2_____%

Total GDP for year 3 $ _____
GDP percent change from year 2 to year 3_____%

Total GDP for year 4 $ _____
GDP percent change from year 3 to year 4_____%

From North Carolina K12



CIA4U1
FISCAL POLICY MONOPOLY



Citizens of your country

1. _____- Mayor: Review rules for Monopoly and ensures rules are followed.
2. _____- Banker: Handles money
3. _____- Real Estate Agent: Keeps up with property
4. _____- Economist: Records spending and computes GDP

Assignment:

- Play Monopoly while keeping track of items that would be counted toward GDP.
- Each 20 minutes of the game is a year (you must keep track of your spending each year!)
- There will be 5 years in the game.
- Find a GDP total for each year.
- **NEW:** The government will be changing policy to adapt to changes in the economy. Read #6 below for more information.

In addition to all of the real rules, the following are added:

1. Buying property and falling on other people's property is considered consumption spending.
2. All construction (houses, apartment buildings) would go under investment spending as well as purchasing the railways.
3. Each time someone lands on "GO" the government will pay them $200 extra dollars as a service for cleaning up the property.
4. Each time someone is "Just Visiting" in jail, it increases Exports by $10 (i.e. The first time someone lands on Just Visiting, we consider that $10 in exports…and then that person gets
   $10. The second time anyone lands on Just Visiting we consider that $20 in exports… and that person gets $20). This will start over each year.
5. Similarly, when someone lands on "Free Parking," it increase Imports by $10 (i.e. the first time someone lands on Free Parking they pay $10 for imports. The second time, anyone who lands there pays $20…and so on). This will start over each year.
6. After Year 1 and each subsequent year, Parliament (teacher) will instruct you to either increase income taxes to 15% or 250 dollars and decrease government spending (passing GO) to $150 OR decrease income taxes to 5% or 100 dollars and increase government spending (passing GO) to $250.

Year	**Consumption (C)** Buying property and landing on property	**Investment (I)** All construction (houses, apartment buildings), railways, and utilities.	**Government Spending (G)** Landing on GO	**Net Exports (X-M)** Just Visiting (+) Free Parking (-)	**GDP C+I+G+(X-M)**
Year 1					
Year 2					
Year 3					
Year 4					
Year 5					

From North Carolina K12

Fill in the blanks below:

Total GDP for year 1 $ _____

Fiscal Policy for year 2:_____

Total GDP for year 2 $ _____

GDP percent change from year 1 to year 2_____%

Fiscal Policy for year 3:_____

Total GDP for year 3 $ _____

GDP percent change from year 2 to year 3_____%

Fiscal Policy for year 4:_____

Total GDP for year 4 $ _____

GDP percent change from year 3 to year 4_____%

Fiscal Policy for year 5:_____

Total GDP for year 5 $ _____

GDP percent change from year 4 to year 5_____%