



Participation 50 points

Video guide	Poll Data	Work Day 1	Work Day 2	Work Day 3
Homework (10pts)	Homework (4pts)	Homework (10pts)	Homework (4pts)	Homework (4pts)

Evaluate the question: "Does America need to reduce its bottled water consumption?"

You will be creating an infographic! *What is an infographic? An infographic is "a visual representation of information or data". An infographic is a collection of imagery, charts, and minimal text that gives an easy-to-understand overview of a topic.*

Your infographic must include: 20 points for each component (100 points total)

1. A slogan. The slogan will communicate your position on the issue. The slogan will be a main focus of your infographic.
2. An "illustrated" graph of student survey data and a sentence that describes how this illustrates the issue
3. Three facts about bottled water production/health issues/alternatives, one for each of the pillars of sustainability
4. Three "illustrated data points" one for each of the pillars of sustainability
5. A call to action! What can you do? Describe an action that would help solve the issue.



Essential content: Your product must address at least **FOUR** of the following issues

1. The production of costs of bottles (remember to consider ecological and social costs)
2. The source and quantity (amount) of water used to fill bottles
3. Safety of the product (water) and its container (bottle)
4. Alternatives to the product (water) and its container (bottle)
5. Post consumption costs (ecological, economic, and social) of the product (water) and its container (bottle)
6. Misconceptions regarding product (water) and its container (bottle)



This is a 250-point project! 50 points participation, 100 points research, 100 points infographic

PART 1: Research

Research: Article #1

1. Article title:
2. Bibliography citation:
3. Quickly scan the reading; DO NOT READ YET!! What do you think the article is going to be about? Is it informative? Persuasive?
4. Read the article. Read the article. Summarize the article in two or three sentences
5. Look at the essential content. Find three **FACTS** that answer or describe one of the essential content. Label which of the Three Pillars it falls under (Environmental, Economy, and Social)
 - a.
 - b.
 - c.
6. Read the article. Find two **DATA POINTS** that help answer or describe one of the essential content. Label which of the Three Pillars it falls under (Environmental, Economy, and Social)
 - a.
 - b.



7. "Does America need to reduce its bottled water consumption?" What is the article's position? Do you agree or disagree? Give a reason why.

Research: Article #2

1. Article title:
2. Bibliography citation:
3. Quickly scan the reading; DO NOT READ YET!! What do you think the article is going to be about? Is it informative? Persuasive?
4. Read the article. Read the article. Summarize the article in two or three sentences
5. Look at the essential content. Find three **FACTS** that answer or describe one of the essential content. Label which of the Three Pillars it falls under (Environmental, Economy, and Social)
 - a.
 - b.
 - c.
6. Read the article. Find two **DATA POINTS** that help answer or describe one of the essential content. Label which of the Three Pillars it falls under (Environmental, Economy, and Social)
 - a.
 - b.
7. "Does America need to reduce its bottled water consumption?" What is the article's position? Do you agree or disagree? Give a reason why.

Research: Article #3

1. Article title:
2. Bibliography citation:
3. Quickly scan the reading; DO NOT READ YET!! What do you think the article is going to be about? Is it informative? Persuasive?



4. Read the article. Summarize the article in two or three sentences

5. Look at the essential content. Find three **FACTS** that answer or describe one of the essential content. Label which of the Three Pillars it falls under (Environmental, Economy, and Social)
 - a.

 - b.

 - c.

6. Read the article. Find two **DATA POINTS** that help answer or describe one of the essential content. Label which of the Three Pillars it falls under (Environmental, Economy, and Social)
 - a.

 - b.

7. "Does America need to reduce its bottled water consumption?" What is the article's position? Do you agree or disagree? Give a reason why.

PART 2: Direct analysis questions

Direct analysis questions: After reading the three articles, provide a complete answer to the following questions. Each answer must have a direct quote from the articles and an in-test citation (ex: Gleick 2012).

1. What are the main environmental concerns regarding the use of bottled water? What data supports these concerns?

2. What are the main society concerns regarding the use of bottled water? What data supports these concerns?

3. What are the main economic concerns regarding the use of bottled water? What data supports these concerns?

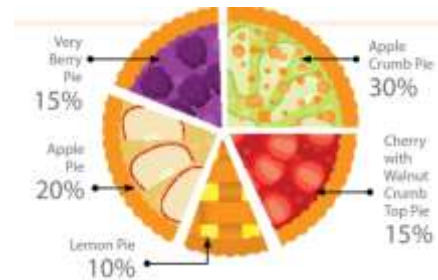
4. What are some solutions for the bottled water issue? Give three.



PART 3: Your conclusions (this is the information that will be in your infographic)

1. Based on your research/background, answer the question in a complete sentence (rewrite the question and answer as a statement: "Does America need to reduce its bottled water consumption?")
2. Make your position clear by writing a slogan. Keep it simple. Think of advertising slogans: "Melts In Your Mouth, Not In Your Hand (M&Ms) or "What Happens in Vegas, Stays in Vegas,"

3. Which of the student's survey question best illustrates why the issue is important?
How can you "illustrate" this data? (*Example on the right "a pie cart about pies"*)



4. **Environmental Pillar: From the direct analysis questions:**

- a. Give a **FACT** under the "Environmental Pillar" that supports your position:
- b. Give a **DATA POINT** "Environmental Pillar" that supports your position:
- c. How might you "illustrate" this data point on your infographic?

5. **Economic Pillar: From the direct analysis questions**

- a. Give a **FACT** under the "Economic Pillar" that supports your position:
- b. Give a **DATA POINT** "Economic Pillar" that supports your position:
- c. How might you "illustrate" this data point on your infographic?

6. **Society Pillar: From the direct analysis questions**

- a. Give a **FACT** under the "Society Pillar" that supports your position:
- b. Give a **DATA POINT** "Society Pillar" that supports your position:
- c. How might you "illustrate" this data point on your infographic?

7. A **CALL TO ACTION!** What can you do? Describe an action that would help solve the issue.



Tapped

"There is enough *water* for *human need*, but not for *human greed*." -- Mahatma Gandhi



1. What company owns much of the bottled water industry?
2. What percent of Earth's water is drinkable?
3. The state of Maine has a law dealing with ground water called *absolute dominion*. Describe this law and how Nestle uses it to their advantage.



4. How much does Nestle pay the local municipality for access to their spring water?
5. How did the southeastern United States drought affect the bottling operations of Pepsi and Coca-cola?
6. The president of the Bottled Water Association claims that only a fraction of the groundwater is actually withdrawn by them. If this is true, what exactly is the problem?
7. During Georgia's severe drought, what recreational facility was under construction?



8. What toxic compounds can be found in bottled water? Where do they come from?

9. Name three specific disorders or effects on human health from BPA.

10. What hormone does BPA mimic?



11. Who funds the studies that have been conducted on the safety of BPA-containing plastics?

12. Compare the responsibility that local municipalities have to the FDA with the responsibility that bottled water companies have.

13. What is the average recycling rate of the world? What is it for the United States?

14. Bottle deposit programs are one way to encourage higher recycling rates. Explain how they work.

15. Why do companies like Nestle object to bottle deposit programs? What do they support instead?

16. What is the eventual fate of many discarded water bottles?

17. Describe the composition of water found in the Eastern Pacific garbage patch.

18. How does the plastic affect the fish?

19. The single biggest advantage that plastic water bottles have is convenience. List all of the negative consequences of drinking bottled water. Do you believe the convenience worth the cost?



Water Survey Results:

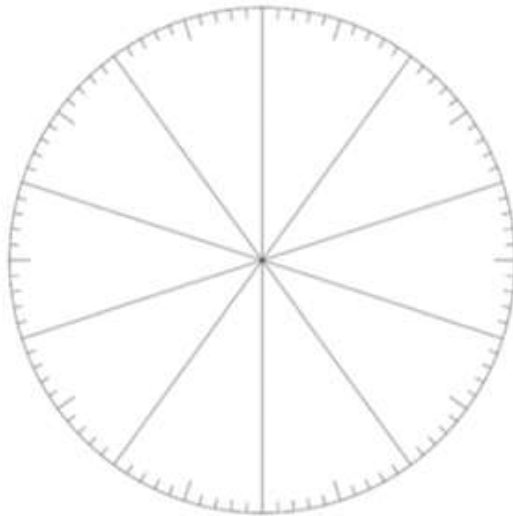
Which of the following is the MOST true?

I mostly drink water exclusively from the tap Unfiltered

I mostly drink water exclusively from the tap FILTERED

I mostly drink bottled water

Title _____



Key

What factors do you consider before choosing to drink tap water or bottled water?

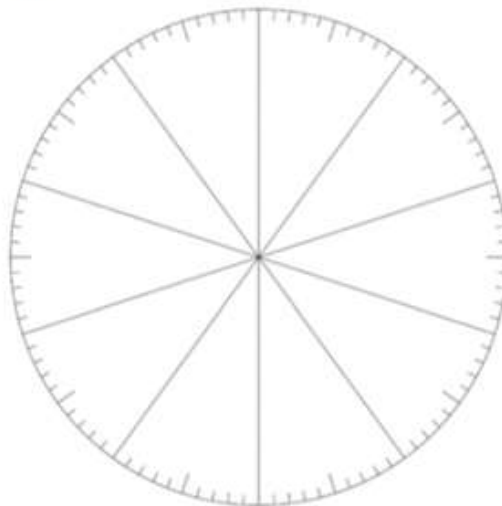
Cost

Taste

Health

The environment

Title _____



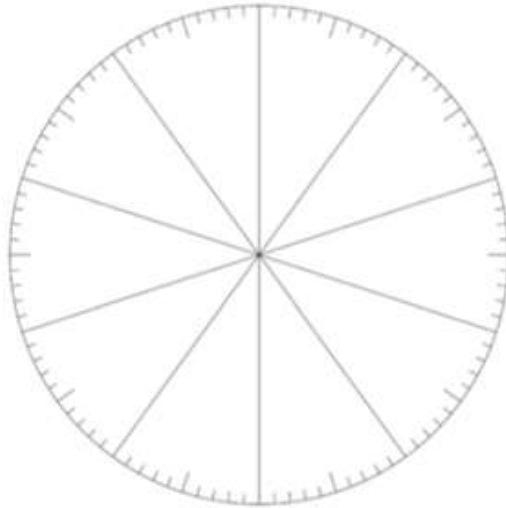
Key



When you do choose bottled water, what best described the reason?

	Tap water not available
	Like to have cold water
	Convenience/availability
	Tap water taste bad
	Heath concerns about drinking tap water

Title _____

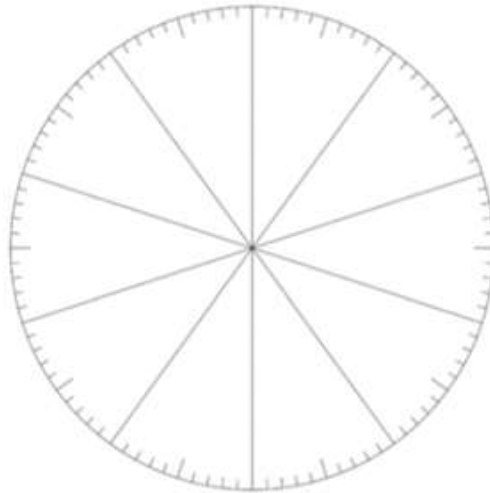


Key

What do you think would encourage you or other people to drink more tap water?

	Cleaner city water
	Better access to clean tap water (more fountains, ect)
	Advertising campaign
	Access to free reusable bottles or filters

Title _____



Key
