

Unorganized Noise: Scene 1.

Jada: Hey, I just read an article about noise pollution, Atlanta's Hartfield-Jackson Airport, and high traffic areas. Many of the residents in the area are complaining and want to move. T.I. and Mayor Kasim Reed are teaming up to do a campaign about noise pollution to educate others and to find a solution.

Dallas: Noise pollution? What's noise pollution? You mean like a lake polluted with waste and garbage?

Jada: No. Well similar, but not really. The article said that it was more like waves that interfere with naturally-occurring waves of a similar type in the same environment.

Dallas: Like waves in the ocean? What does water have to do with noise?

Jada: (Annoyed) No silly. I'm pretty sure it's a different type of wave. Apparently, these noise waves are harmful to the health of those in the area. The article says it can cause sleep disruption in humans and animals, hearing loss, heart disease as a result of stress, and in severe cases even mental instability.

Dallas: Really? That's not good. Do you think that we are affected by noise pollution in some way?

Jada: It's a possibility, but we would have to find out more about these waves to ensure that we are not. And before you ask, we are not going to the beach. Since the noise is coming from machines, the waves probably come from the energy they produce.

Dallas: Well let's just ask a mechanic. These waves could be mechanical. (Dallas laughs out loud) Ha! I made a funny.

Jada: Whatever. You're so lame. Let's just get this information. Once we find out, maybe we can write a letter to the mayor or even a rap to send to T.I. to help with the campaign.

Unorganized Noise: Scene 2

Dallas: (excited) Jada, I just thought of something. Noise doesn't only come from airplanes and traffic. It also comes from things we use daily.

Jada: (curious) Like what Dallas?

Dallas: Well, I play my radio so loud sometimes that the walls in my room are vibrating.

Jada: I've seen that happen with the television, but do you think those are the same type of waves?

Dallas: I don't know. You're the smart one. You tell me.

Jada: Well, the noise waves from the airport and traffic come from machines. Now we're talking about electronics. I don't think they're the same waves.

Dallas: I don't either. A radio never gave anyone heart disease. Ha! I did it again. I made a funny.

Jada: What an idiot. Let's just find out so we can make sure your cell phone and radio aren't sending waves that are affecting your brain. I have a dummy for a brother.

Unorganized Noise: Box Chart

New Terms and Definitions:

(Words you do not know the meaning of from the Scene)

Facts

(Information found in the Scene)

Learning Issues

(Things you need to look up or research)

Next Steps:

(What you plan to do to find out information about your leaning issues. Who's going to do what in your group? Group roles? Learning Issue assignments?)

Unorganized Noise: Scene 1 Assignment

1. Describe mechanical waves.
2. Explain how mechanical waves travel.
3. List and describe types of mechanical waves.
4. Identify and describe properties of waves.
5. Identify and explain the type of behaviors waves display.
6. Explain how you can reduce noise.

Unit Self-Reflection

Directions: Begin your responses on the last left hand of the unit and continue onto the facing right hand page.

1. Choose 6 items, which represents your best work – 3 from the left side and 3 from the right side. In several REFLECTIVE paragraphs, write specific reasons why you chose the items, why they are your best work, and what these assignments reflect about your skills as a student.

Skills: Organization, analysis, logic, creativity, thoroughness, accuracy of information, ability to put new information together, understanding new concepts, etc.

Reasoning that it was “fun” or just that you “liked” it is NOT an adequate reflection

2. **Using sentences and specifics, respond to the following:**
 - What information did you learn that was new to you?
 - Was the notebook easy or difficult for you? Explain.
 - Has the notebook helped you organize the material? Explain.
3. **What are your goals for improvement in this class?**
 - List specifics areas in which you feel you need to improve or need help improving. **EVERYONE** has something they can improve on.
4. What improvements or areas of change would you like to see in the class? Explain with examples.

Daily Reflections



- What do you know?
- How can you show or prove what you know?
- Explain how this information relates to the standards?
- Draw a picture or concept map to illustrate what you know or understand about the content.
- Refer to the list of ways to reflect on your learning and complete one?
- Consider Bloom's Level of Questioning develop on question from the lower levels and one from the higher levels?

Learning Issue Report

Learning issue: _____

The information I found is:

The source of this information is (web address, book, and textbook pages):
