Sound and Music

Name _____

1. After striking the fork, what do you observe?

2. What do you feel when the fork is making a sound?

3. How can you make the sound stop?

4. What is making the sound?

5. What happens when you set the handle on a table top?

6. What happens if you tough a vibrating tuning fork to a ping pong ball? Why?

7. Do you know what the outside of the ear is called?

8. When looking at the diagram of the ear, what is the pink part at the end of the ear canal?

9. What are the three tiny little bones?

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10. What is the snail shaped part of the ear called?

11. Look at the picture of the green and yellow object. What does it look like to you? (be creative) What is it actually called?

12. Write down any models you've made at school or at home.

13. What would your arm represent in our model of the ear?

14. Do you think when you mow the lawn that your lawnmower is loud enough to damage your ears? Does it matter how long you mow your lawn?

15. How about fireworks, when you sit in the best seats, are they loud enough to damage your ears?

16. Can you fix your hair bundles after modeling the sound of close fireworks?

17. What is the highest frequency you can hear?

18. When your fingers are on your throat, how do high and low "aaaaahs" feel different?

19. What is vibrating when you play your straw instrument?

20. How does the sound get from your straw instrument to the person across the room?

21. When the class does the “wave,” how did you move? Did you go with the wave?

22. How does sound travel across the room?

23. How do you make the lowest pitch possible with your straw instrument when you have two straws?

24. Is the vibration of the straw tip different with low and high sounds? If so, how is it different?

25. Why do you think the long pasta wiggled the most when the hand is shaken slowly, but the other sticks only wiggled a little bit?

26. What do you think will happen if the string on the cup instrument is shorter?

27. What do you remember about how the ear works from today? Write a description of how sound travels from the Pinna to your brain.