

Name: \_\_\_\_\_

Period: \_\_\_\_\_

## T2 Podcast Review Worksheet

**Directions:** Use the Trimester 2 Review Podcasts on iTunes to answer the following questions.

<i>Question</i>	<i>Artists</i>	<i>Answer</i>
1. Explain the structure of the atom. What are its parts and where are they located?		
2. What is an ion? How is it created? Give an example of a metal ion and a nonmetal ion.		
3. What are physical properties? What are chemical properties? How are they different from each other?		
4. What are solutes, solvents, and solutions? Give an example of a solution and what its solvent and solute are.		
5. What are the parts of a chemical equation? What is a subscript? What is a coefficient? What must be done to a chemical equation to ensure that the Law of Conservation of Mass has not been violated?		
6. What is an ionic compound? How is an ionic compound formed? What types of elements are involved? What are the four characteristics of ionic compounds?		
7. What is a covalent compound? How is a covalent compound formed? What types of elements are involved? What are the four characteristics of covalent compounds?		
8. What are lipids? Describe their characteristics, uses, and give some examples.		
9. What are carbohydrates? Describe their characteristics, uses, and give some examples.		

10. What are proteins? Describe their characteristics, uses, and give some examples.		
11. What are nucleic acids? Describe their characteristics, uses, and give some examples.		
12. What is an acid? What are 5 properties of an acid? When you look at a chemical formula how can you tell that it is an acid? Give three examples of acids and how they are used in your daily life.		
13. What is a base? What are the 6 properties of a base? When you look at a chemical formula how can you tell that it is a base? Give three examples of bases and how they are used in your daily life.		
14. What is the pH scale? What is it used for? What are the highest and lowest numbers on the scale? What does 7 represent? Where do you find acids and bases on the scale?		
15. What is a diatomic molecule? Which elements form these?		
16. What is the difference between exothermic and endothermic reactions? How are the products and reactants of each reaction different?		
17. What is a neutralization reaction? When this occurs what remains?		