Part A. Classify each of the following sentences as being one of the following: necessarily true (nec. T), necessarily false (nec. F), empirically true (emp. T), empirically false (emp. F). Please use the abbreviated labels. Interpret these sentences according to their ordinary meaning.

_________ 1. The Earth is round.
_________ 2. The Earth is flat.
_________ 3. All cats are animals.
_________ 4. All cats have tails.
_________ 5. There are people that live on the Moon.
_________ 6. There are people that own round cubes.
_________ 7. Wherever you go, you are there.
_________ 8. Past events occur at some time before the present.
_________ 9. Every banana on the Moon is located on the Moon.
_________ 10. Loyola U. Chicago is the world’s largest university.
_________ 11. One pear, one peach, and one plum add to six fruits.
_________ 12. Either all cats have green tails, or some cats do not.
_________ 13. TV’s did not exist before the 20th century.
_________ 14. Boiling water (212°F) causes damage to human skin.
_________ 15. Every cube has 8 corners, 12 edges, and 6 faces.
_________ 16. A figure’s perimeter is longer than any of its diagonals.
_________ 17. Cows moo.
_________ 18. Water is composed of oxygen and hydrogen.
_________ 19. There are lakes of water on the Moon.
_________ 20. All bachelors who are married are both married and unmarried.