

**Worksheet Exercise 3.3.B.**

Name \_\_\_\_\_

## Categorical Translations

Class \_\_\_\_\_ Date \_\_\_\_\_

**Part B.** For each of these sentences, (1) in the large blank, rewrite the sentence so that it is in categorical form; (2) put brackets "[ ]" around the subject term and the predicate term; (3) in the small blank, symbolize the sentence, using the indicated capital letters for the bracketed terms. (These are a bit more difficult.)

1. Whosoever loves gold, loves death. (G, D) \_\_\_\_\_  
\_\_\_\_\_

2.\* Whatever you do, you cannot stop time. (A, S) \_\_\_\_\_  
\_\_\_\_\_

3. Insects exist everywhere. (P, I) \_\_\_\_\_  
\_\_\_\_\_

4. There are people who think they are divine. (P, T) \_\_\_\_\_  
\_\_\_\_\_

5.\* Bureaucrats never work. (B, W) \_\_\_\_\_  
\_\_\_\_\_

6. Sometimes people are nasty. (P, N) \_\_\_\_\_  
\_\_\_\_\_

7.\* People are sometimes nasty. (P, N) \_\_\_\_\_  
\_\_\_\_\_

8. Forgeries were found in the Art Institute. (F, A) \_\_\_\_\_  
\_\_\_\_\_

9. Not anyone showed up. (P, S) \_\_\_\_\_  
\_\_\_\_\_

10. A picture is worth a thousand words. (P, W) \_\_\_\_\_  
\_\_\_\_\_

11. Forgeries are fake works intended for deception. (F,W) \_\_\_\_\_  
\_\_\_\_\_

12. A statue of a sitting mermaid stands by the harbor. (M,S) \_\_\_\_\_  
\_\_\_\_\_

13. A statue of a sitting mermaid is delightful. (M, D) \_\_\_\_\_  
\_\_\_\_\_

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- 14.\*There are things that do not breathe that need oxygen. (B,O) \_\_\_\_\_  
\_\_\_\_\_
15. A group of people barged into the office. (P, B) \_\_\_\_\_  
\_\_\_\_\_
16. No rare books are without value. (R, V) \_\_\_\_\_  
\_\_\_\_\_
- 17.\*Only senior executives have executive pension plans. (S,P) \_\_\_\_\_  
\_\_\_\_\_
18. Only professionals are ineligible. (P, E) \_\_\_\_\_  
\_\_\_\_\_
19. Only non-professionals are eligible. (P, E) \_\_\_\_\_  
\_\_\_\_\_
- 20.\*Whenever the lights go out, things get real quiet. (T,Q) \_\_\_\_\_  
\_\_\_\_\_
- 21.\*Well of course, all snakes are not poisonous. (S, P) \_\_\_\_\_  
\_\_\_\_\_
22. There are no good deeds that go unpunished. (G,P) \_\_\_\_\_  
\_\_\_\_\_
23. Cars that do not use gasoline exist. (C, U) \_\_\_\_\_  
\_\_\_\_\_
- 24.\*Undetectable physical things do not exist. (P, D) \_\_\_\_\_  
\_\_\_\_\_

**Answers** to the starred problems of **Part B**.

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|--|----------------------|
| 2. All [actions] are [not able to stop time].                        | All A are (not S)    |
| 5. No [bureaucrats] are [workers].                                   | No B are W           |
| 7. All [persons] are [sometimes nasty].                              | All P are N          |
| 14. Some [things that do <u>not</u> breathe] are [oxygen needers].   | Some non-B are O     |
| 17. All [havers of executive pension plans] are [senior executives]. | All P are S          |
| 20. All [times when the lights go out] are [times things get quiet]. | All T are Q          |
| 21. Not all snakes are poisonous.                                    | $\sim$ (all S are P) |
| 24. No [physical things] are [ <u>un</u> -detectable].               | No P are non-D       |