

Name _____

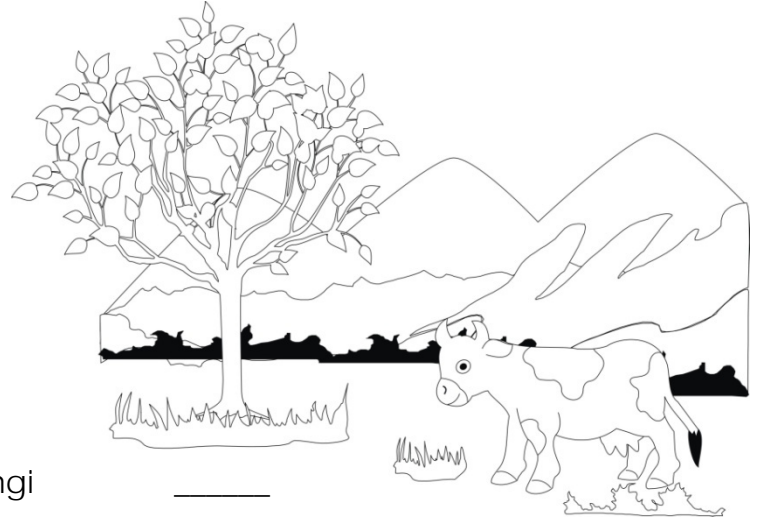
Date _____

AUTOTROPHS VS. HETROTROPHS

Autotrophs are organism that is capable of forming organic compounds from inorganic compounds. As a result autotrophs can make their own food. Heterotrophs must obtain their food from other organisms.

Classify the following organisms as autotrophs (a) or as heterotrophs (h).

1. cow _____
2. human _____
3. wheat _____
4. fungi _____
5. ameba _____
6. green algae _____
7. housefly _____
8. fern _____
9. dandelion _____
10. fish _____



11. fungi _____
12. trees _____

Most autotrophic nutrition is a result of photosynthesis. Heterotrophic nutrition involves the taking and processing of food and the elimination of wastes. Classify the following as related primarily to autotrophic nutrition (a) or heterotrophic nutrition (h).

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|--------------------|-------|-----------------------------|-------|
| 13. chlorophyll | _____ | 23. maltose | _____ |
| 14. digestion | _____ | 24. CO ₂ is used | _____ |
| 15. phagocytosis | _____ | 25. ingestion | _____ |
| 16. photolysis | _____ | 26. chloroplasts | _____ |
| 17. rhizoids | _____ | 27. dark reaction | _____ |
| 18. lipase | _____ | 28. grana | _____ |
| 19. carbon dioxide | _____ | 29. protease | _____ |
| 20. pseudo pods | _____ | 30. glucose production | _____ |
| 21. PGAL | _____ | 31. chlorophyll | _____ |
| 22. Light reaction | _____ | 32. bile | _____ |