

Name _____

Identifying Open Systems and Closed Systems

Remember:

1. An open system- matter and energy freely cross the boundary of the system
2. A closed system- energy freely crosses the boundary of the system but matter does not

Directions: In the box to the right of the example, say if it is an open, closed, or isolated system

Example	Open or Closed System
1. An unopened can of soda	
2. Boiling pot of water with no lid	
3. Boiling pot of water with a lid	
4. A cell phone	
5. A fish tank	
6. A solar system	
7. A water bottle with a closed lid	
8. A television	
9. A car going down the road	
10. The Earth	
11. A classroom with the door closed	
12. A double-walled coffee mug with a closed lid	
13. A balloon full of air	
14. A school	
15. An open can of soda	
16. A new can of paint	
17. A computer	
18. An airplane	
19. A river	
20. A House	