

# Physics 1114 - General Physics I

Quiz #27 - 2012.10.31

## Solutions

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1. If a wave travels along a string and reaches the end of the string, explain what happens if (a) the string is fixed at the end, and (b) the string is free to move up and down at the end.

For the fixed end, the wave inverts and then travels back in the direction it came from. For the free end, it reflects back without inverting.

2. What is the difference between a node and an antinode?

For the fixed end, the wave inverts and then travels back in the direction it came from. For the free end, it reflects back without inverting.