Ripple Tank Lab/Demo

**Purpose**

**Apparatus**

*Materials:*

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*Diagram*

**Procedure:**

1.
2.
3.
4.
5.
6.
7.
8.
9.
10.

**Observations**

*Diagram of single disturbance and write what you saw*

*Diagram of single disturbance with reflection and write what you saw*

*Diagram of two point disturbance and write what you saw*

**Analysis**

1. How do you distinguish between the troughs and the crests?
2. What did you notice about where the reflected rays went?
3. From number 2, what technology uses this phenomenon?
4. For the double disturbance, how did the waves interact with each other? Explain using terms like constructive and destructive interference.

**Conclusion**

What are the important observations and facts you learned about waves?