

University of Idaho

Location: University of Idaho Commons

Gallons Available: 240

Distance (mi): 0.8

Collect

Gallons Collected: 234

Distance Traveled (mi): 6

Next



Test for acid, moisture, and water levels.

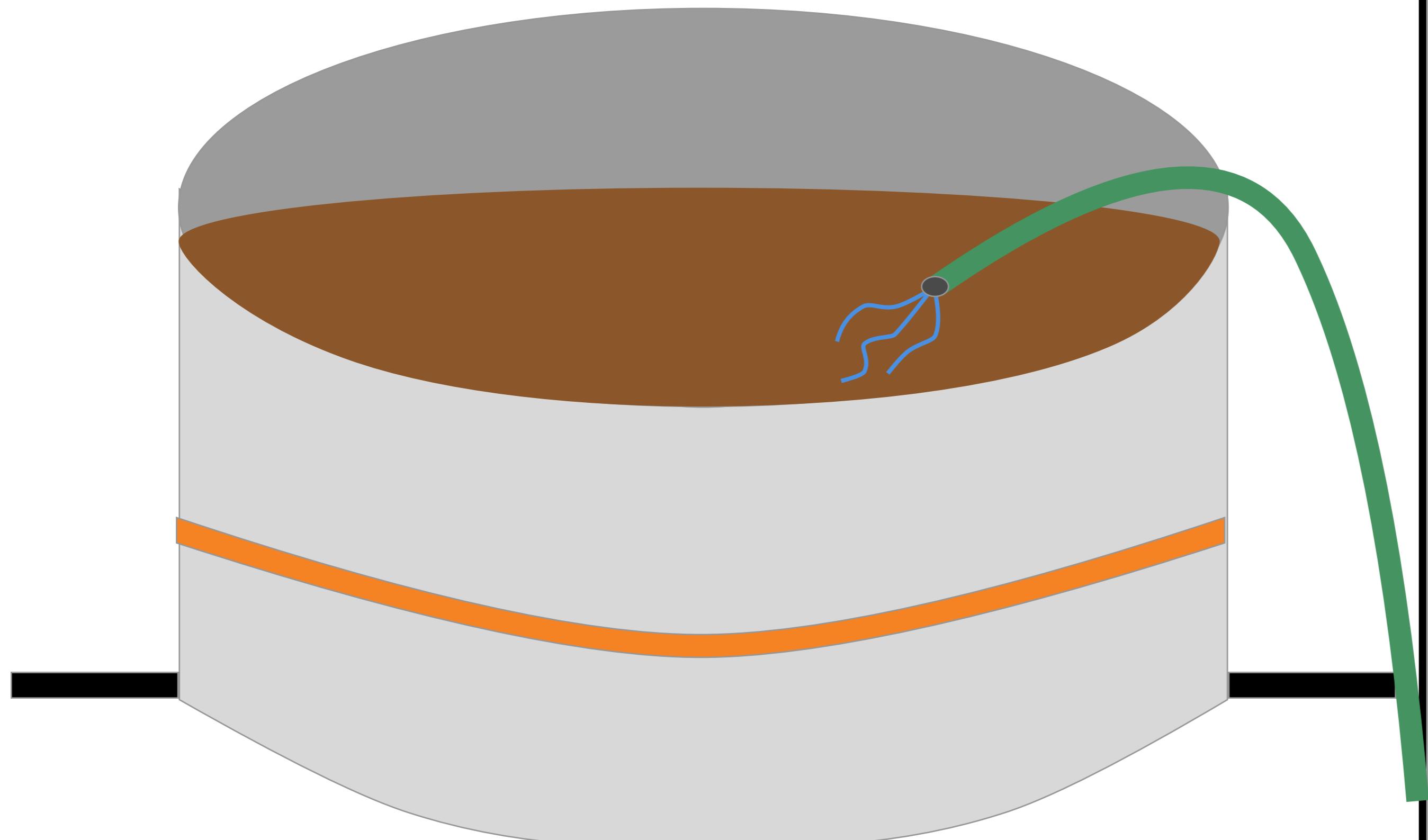
Test Oil

Fatty Acid Level: 23 ph

Moisture Level: 1.2 %

Add Oil to Batch?

Next



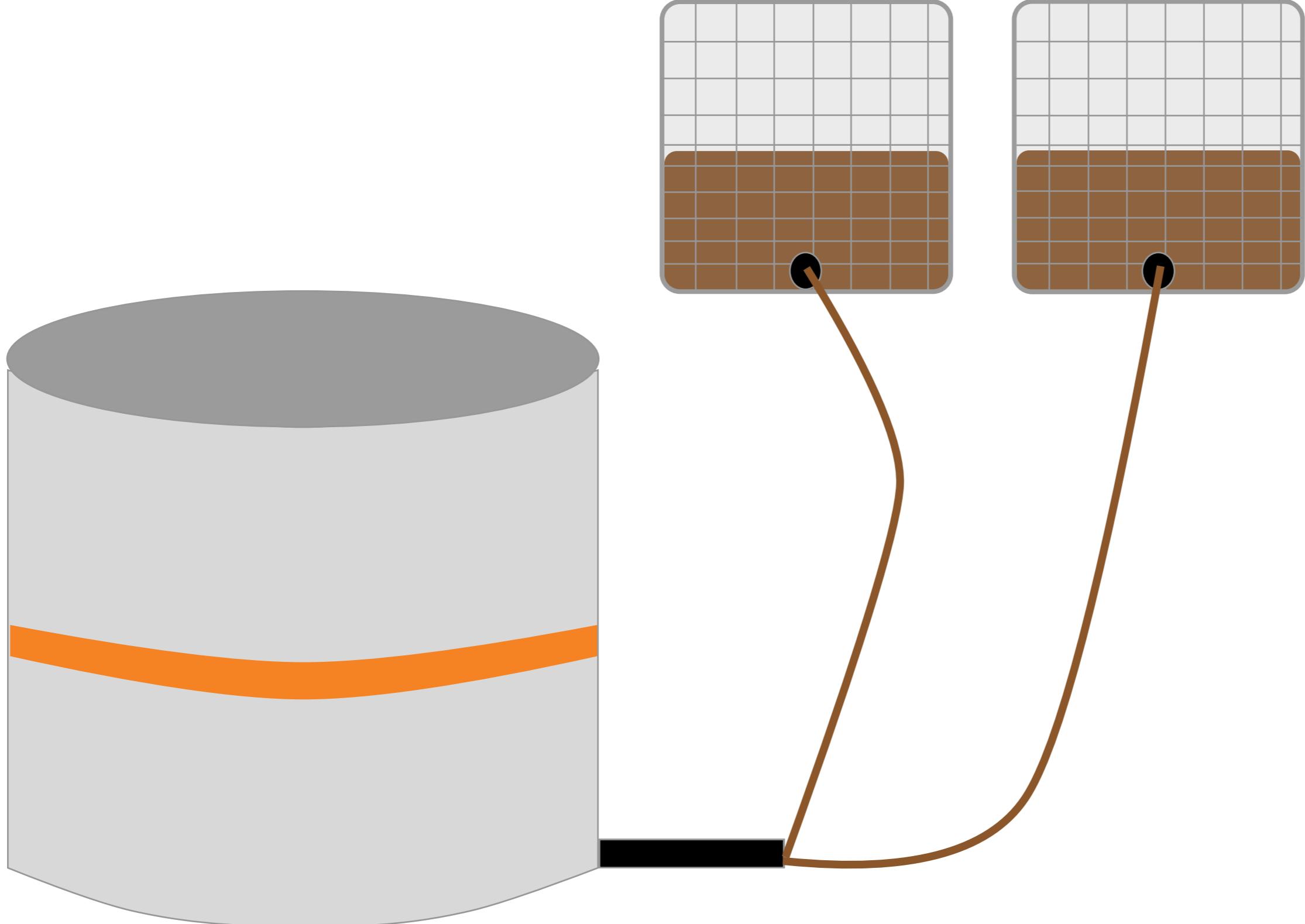
It's time to water wash! How many times should we water wash and wait in between?

of washes

Hours to wait

Water Wash

Next



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How many gallons would
you like to pump?

Enter a number

Pump Oil

Gallons in Reactor: 384

Next

Test for acid, moisture, and water levels.

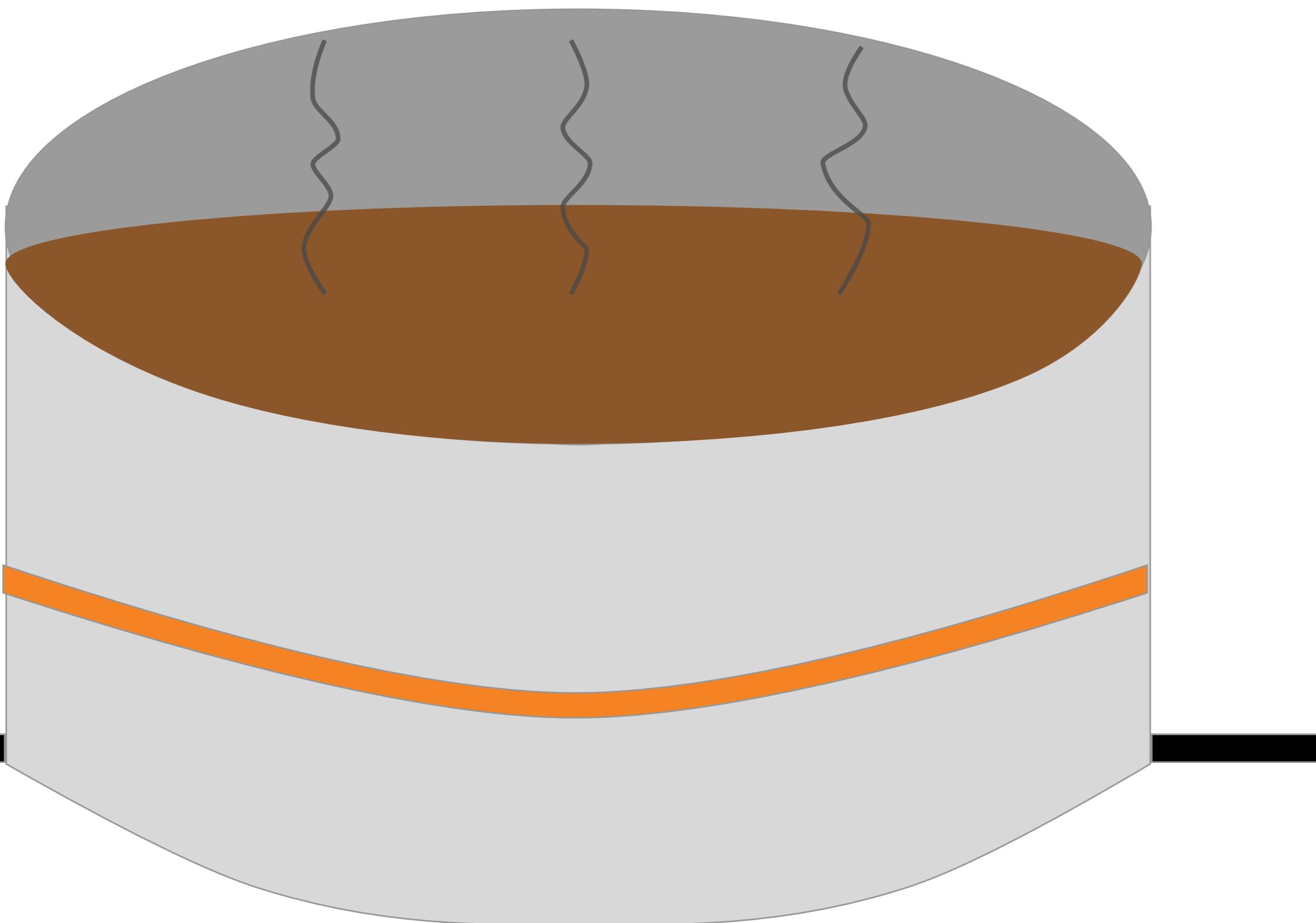
Test Oil

Fatty Acid Level: 23 ph

Moisture Level: 1.2 %

Add Oil to Batch?

Next

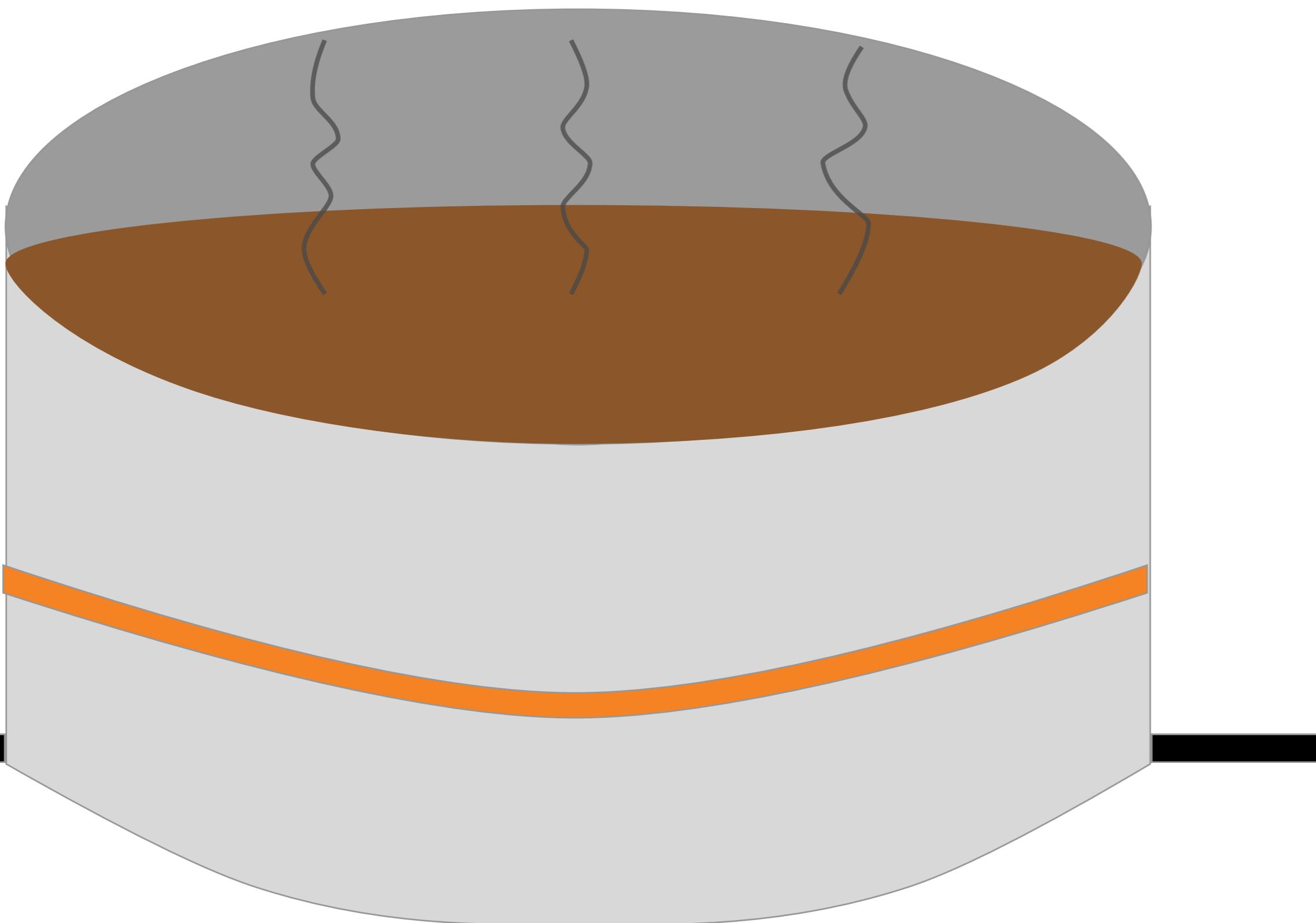


What temperature should
we heat the oil to? (In
Celcius)

Enter a number

Heat Oil

Next

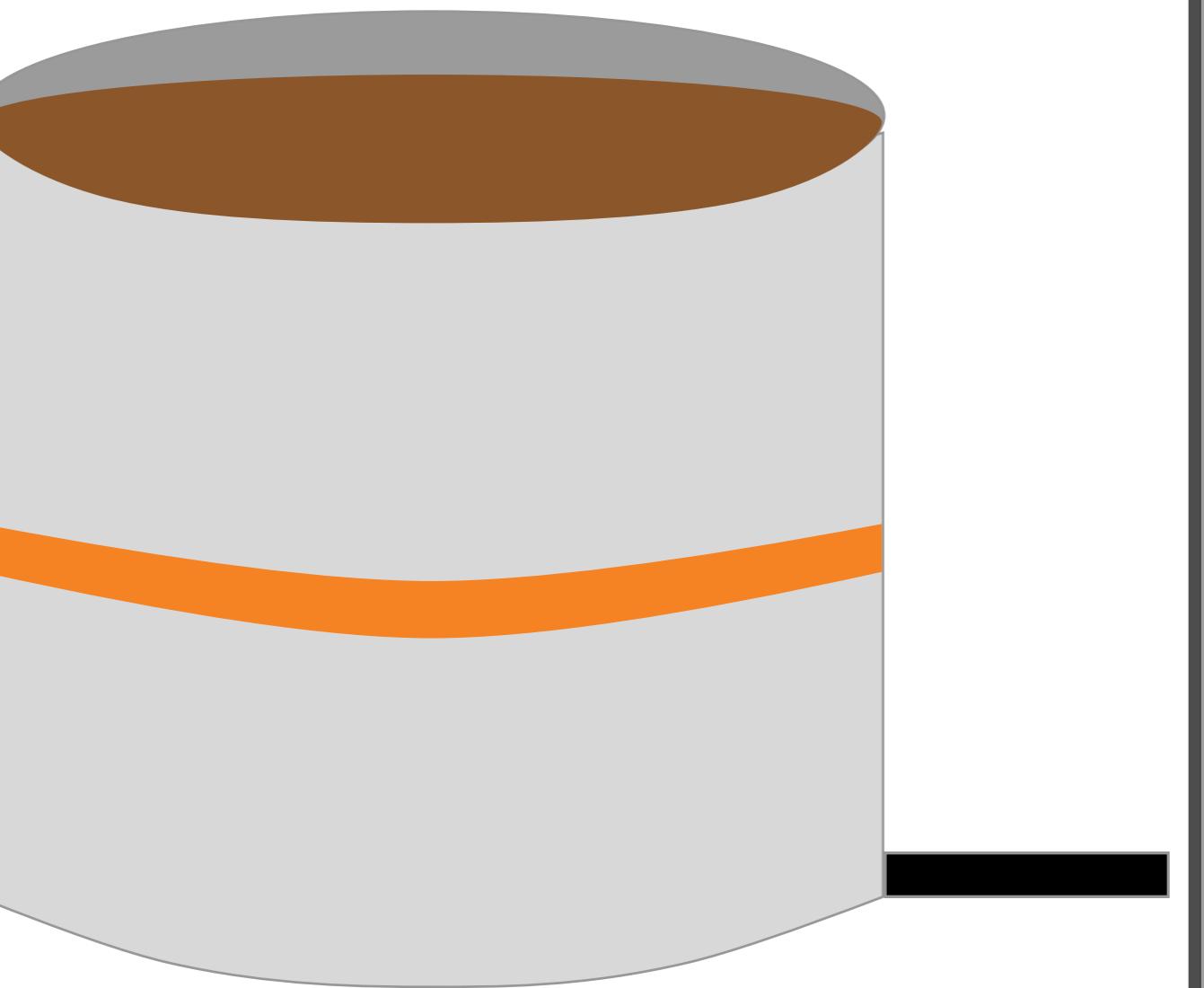
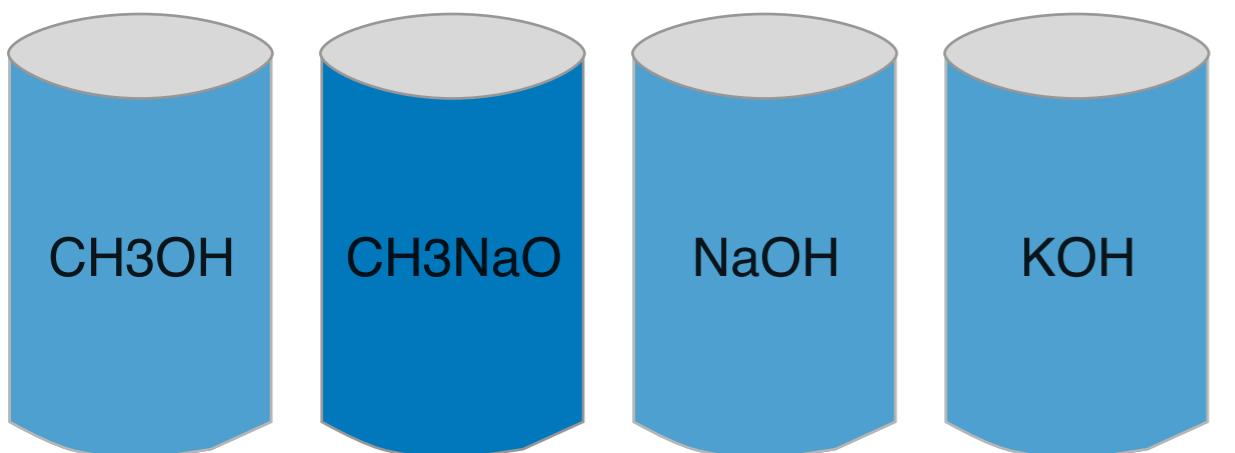


What temperature should
we heat the oil to? (In
Celcius)

Enter a number

Heat Oil

Next



Time to mix some reactant in!
Pick a reactant to the left,
specify the percentage split
and how long to wait after
mixing.

Enter % for 1st dose

Enter % for 2nd dose

Enter # of hours to wait

Mix

Reactant Chosen:
Sodium Hyrdoxide

Next

Great job! Here are your results:

- Gallons made: 350
- Fuel quality: A-
- Miles traveled: 4.5
- Hours:
- Cost to make: \$824.89
- Price per gallon in your area: \$4.39
- Total you can sell for: \$1,536.50
- Profit: \$711.61

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Restart