

KAHOOT TRIVIA QUESTIONS AND ANSWERS:

Which of the following constituents will be in our wastewater?

Time limit


**30
sec**

Points

1000

Answer options

☰ Single select



i 📷 Remove

▲ Ground Coffee, Gatorade Fruit Punch Powder, Brownie Mix, Quaker Oats✔

◆ Cheeto DuSt○

● Protein Powder, Ground Coffee, Cake Mix, Frosted Flakes○

■ Ground Coffee, Pixie Sticks, Dirt, Edible Glitter○

With our kits, what parameters are we measuring?

Time limit

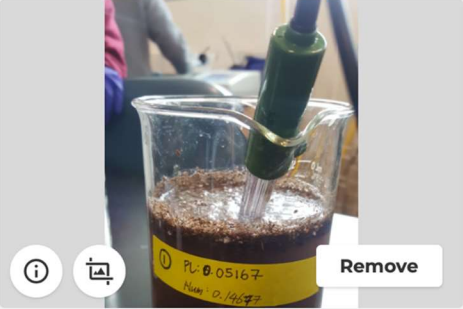
**20
sec**

Points

1000

Answer options

☰ Single select



i 📷 Remove

▲ EC and pH○

◆ pH and Turbidity✔

● DO and Volume○

■ Turbidity and DO○

How much wastewater will EP be treating?

Time limit

20
sec

Points

1000

Answer options

Single select



2 buckets of 5 gallon mixes



1 bucket of a 4 gallon mix



1 bucket of a 5 gallon mix



2 buckets of 4 gallon mixes



What is our goal for pH levels?

Time limit

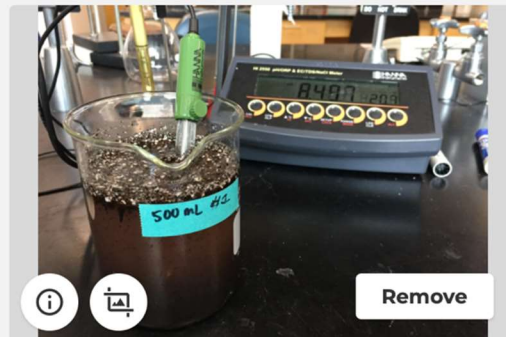
20
sec

Points

1000

Answer options

Single select



7.0-7.5



7-8



6.5-7.5



100



What is our turbidity goal?

Time limit

20
sec

Points

1000

Answer options

Single select



- | | |
|---|-------------------------------------|
| <input type="radio"/> Below 20 NTU | <input type="radio"/> Below 100 NTU |
| <input checked="" type="radio"/> Below 15 NTU | <input type="radio"/> Below 45 NTU |

What chemical processes will we be observing?

Time limit

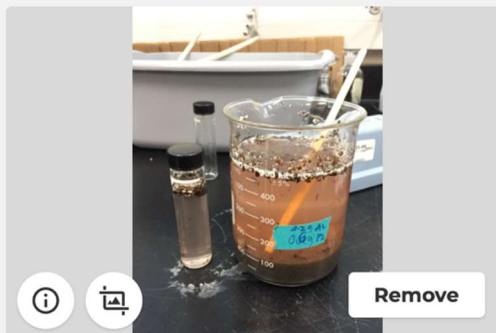
30
sec

Points

1000

Answer options

Single select



- | | |
|--|--|
| <input type="radio"/> Coagulation and Flocculation | <input type="radio"/> Neutralization |
| <input type="radio"/> Disassociation | <input checked="" type="radio"/> All of the above! |

What physical processes will we be observing?

Time limit

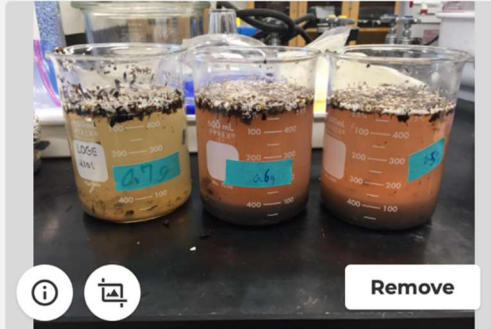
30
sec

Points

1000

Answer options

Single select



Lifting



Burpees-ing



Squatting



Settling



In previous years, what coagulant has proven to be the most effective? hint: the chemical formula is $Al_2(SO_4)_3$

Time limit

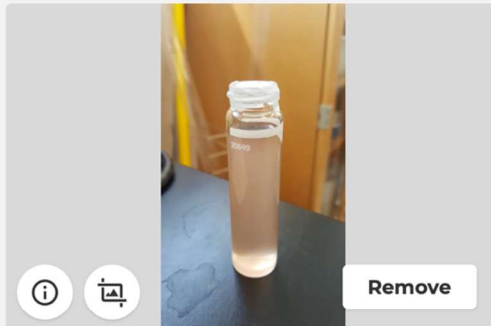
30
sec

Points

1000

Answer options

Single select



Ferric Chloride



Sodium Aluminate



Alum



Ferric Sulfate



Why was Alum chosen as the coagulant?

Time limit

30
sec

Points

1000

Answer options

Single select



▲ It was the cheapest option

◆ Because most of the particles in the wastewater are negative

● Alum dissociates to neutralize negative particles

■ All of the above

In previous years, what pH neutralizer was most effective? hint: the chemical formula is $\text{Ca}(\text{OH})_2$

Time limit

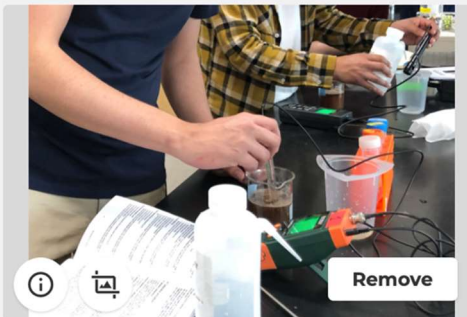
30
sec

Points

1000

Answer options

Single select



▲ Baking Soda

◆ Pickling Lime

● Sodium Hydroxide

■ Soap

What does electric conductivity (EC) tell us?

Time limit

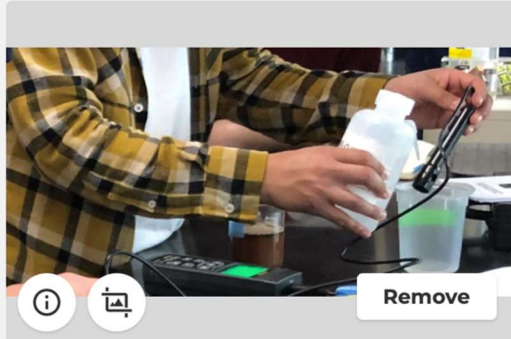
30
sec

Points

1000

Answer options

Single select



▲ It measures the Ion mobility in our water



◆ It tells us the likelihood of getting shocked



● It tell us how many times the water was struck by lightning



■ It measures how acidic the water is



In previous years, why do you think that electrical conductivity levels were so high?

Time limit

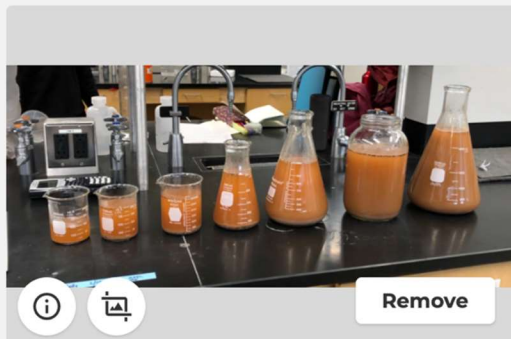
30
sec

Points

1000

Answer options

Single select



▲ We couldn't find a way to remove salts



◆ Sometimes life is just sad



● There were too many salts added to the mix



■ Both Triangle and Circle



Does EP treat wastewater backwards?

Time limit

20
sec

Points

1000

Answer options

Single select



- | | |
|--------------------------------------|----------------------------|
| <input checked="" type="radio"/> Yes | <input type="radio"/> no |
| <input type="radio"/> No | <input type="radio"/> nope |

About ___% of wastewater worldwide flows back into the ecosystem without being treated.

Time limit

30
sec

Points

1000

Answer options

Single select



- | | |
|---------------------------|--------------------------------------|
| <input type="radio"/> 20% | <input type="radio"/> 30% |
| <input type="radio"/> 60% | <input checked="" type="radio"/> 80% |

_____ people are without access to improved water sanitation. _____ people have no facilities at all.

Time limit

30
sec

Points

1000

Answer options

Single select



▲ 2 billion, 1 billion



◆ 900 million, 400 million



● 1 billion, 500 million



■ 1 billion, 600 million



Where is the largest wastewater treatment plant located?

Time limit

30
sec

Points

1000

Answer options

Single select



▲ UC Davis - home of the cow dung



◆ Washington DC, USA (Blue Plains)



● Beijing, China (Beijing Huaifang)



■ London, UK (Beckton Sewage Treatment Works)

