

# ANSWER KEY

## EPISODE 6: ACT UP

CCRA.R.7

MODERATE ACTIVITY

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### Script for Austen's Video

Hi. I'm Austen Ward. I'm the family therapist at the Be Well Family Clinic. There's a silent danger threatening the residents of Fog Hollow. Pyrite Power Plant is wreaking **havoc** on the community, and the situation is getting more desperate by the minute!

It all started when the old power plant reopened. At first, everything seemed fine. People thanked the mayor for bringing jobs back into the community. They praised the plant manager for how quickly he got things rolling.

Then thick, **billowing** smoke began coming from the plant's smokestacks. Residents started complaining of coughs, trouble breathing, and other signs of **respiratory** illnesses.

We now know that harmful gases from the power plant caused the rise in these illnesses. Sadly, the pollution has still not stopped. The plant's dangerous fumes continue to put the well-being of its people at risk. And with it, it has stolen the once clear skyline of Fog Hollow.



# ANSWER KEY

## EPISODE 6: ACT UP

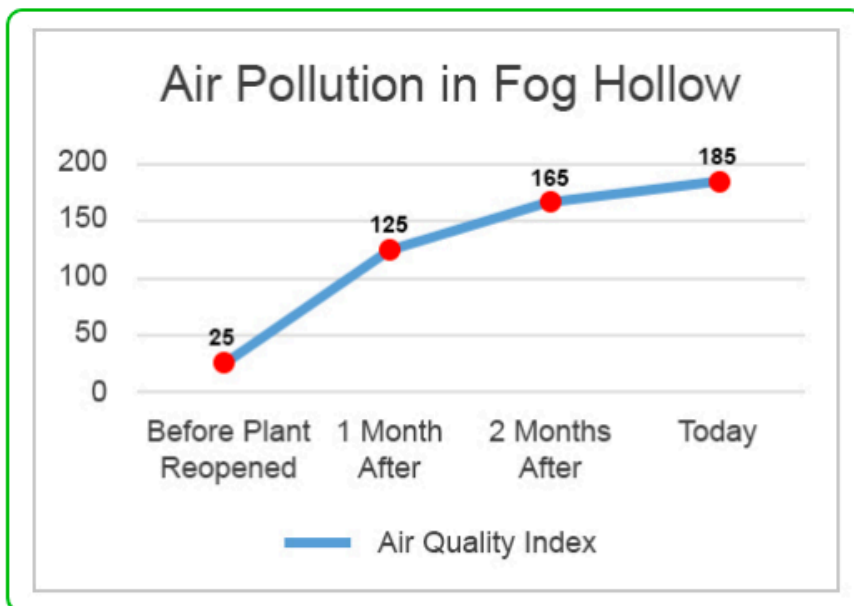
CCRA.R.7

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MODERATE ACTIVITY

cont'd

A picture can say a lot. But we have solid data as back-up, too! Scientists check the quality of the air using a measure called an *index*. The Air Quality Index should be under 100. When the plant reopened, the index went from good to unhealthy almost at once. It has just gotten worse.



This unhealthy air is causing more and more **respiratory** problems. Patients with asthma wear masks whenever they go outside. Other conditions, such as **chronic obstructive pulmonary disease**, are not only on the rise, they are worsening. In recent interviews, members of the community were very vocal about their suffering, but one person's cry stood out from all the rest. Resident Luz Toro shared, "Seeing how badly the fumes have affected my COPD, I doubt I'll make it to my grandson's third birthday."

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MODERATE ACTIVITY

cont'd

At the clinic, we've been **overwhelmed** with calls from parents and caretakers. They want to know if it's safe to let kids play outside. **One mother asked, "Should I be concerned that my son now coughs nonstop after football practice?"** ✓

The very young and old are most at risk from breathing polluted air, but all residents must be careful. They should note any change in their health. A harsh cough can be a sign to see a doctor, even if you're not in a risk group.



The negative **impact** of air pollution on people is only part of the story. **Contaminated** air affects many living things. Some creatures suffer even more than we do. **Dr. Chen Wong explained, "Polluted gases are more harmful to birds because they breathe faster, and so get poisoned faster."** ✓

What's being done about the pollution? Well, the mayor's been pretty active on social media. She's clearly aware of the problem and has promised it will be solved.

# ANSWER KEY

## EPISODE 6: ACT UP


CCRA.R.7

MODERATE ACTIVITY

cont'd

@MayorYoung

City inspectors will be sent out to investigate the situation at the plant. 

In the end, change must come to the power plant. We especially deserve answers from someone who knows the situation firsthand -- the plant manager. And so, Mr. Jones, if you're watching this video, there's something we'd all really like to get to the bottom of! **Which chemicals from the plant are causing health issues, and what are your plans to remove them?** 

Finally, what can you do? You can write a letter to the newspaper or an elected official. You can also post information on your Facebook account. Share pics and stats as clear proof of the health horrors in our community. And of course, you can always contact us at the Be Well Family Clinic to learn of more ways to help.

Together, we can help bring good health and clean air back to Fog Hollow, and we can ensure that such a tragedy never happens again.

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SUPPORT ACTIVITY

Continue to next page.

### Script for Austen's Video

Hi. I'm Austen Ward. I'm the family therapist at the Be Well Family Clinic. I'm here to talk about the dangerous **threat** caused by the Pyrite Power Plant.

A few months back, we were all excited about the old plant reopening. It meant more jobs for Fog Hollow. The mayor and the plant manager were praised for their quick work.

Then thick smoke began to rise from the plant. Neighbors started showing signs of **respiratory** illnesses.

We now know that air **pollution** from the plant has caused the rise in these illnesses. And they're still on the rise. The plant keeps spreading its poisons into the sky.



Photos can tell a lot. But we have solid data to back us up, too! Scientists check the quality of the air using a guide called an *index*. The Air Quality Index, or AQI, should be under 100. Fog Hollow's AQI changed after the plant reopened. As the graph shows, the AQI got bad fast and then got worse.

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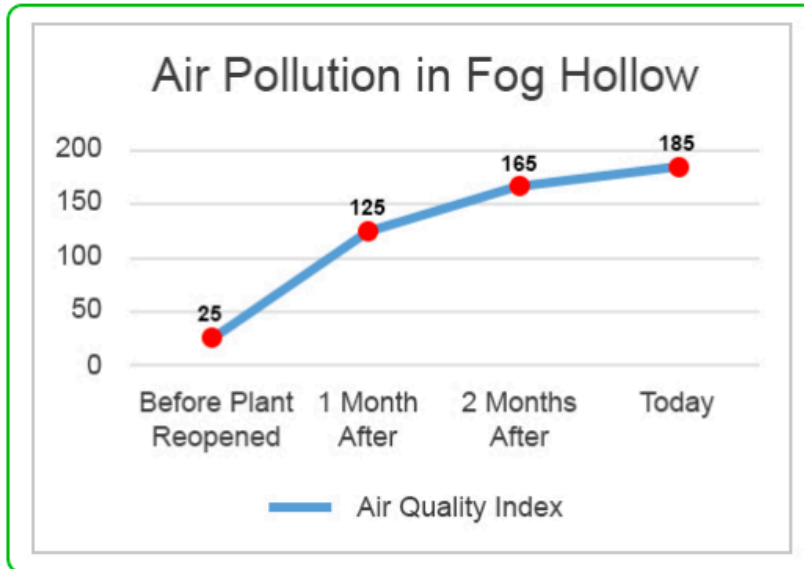


CCRA.R.7

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SUPPORT ACTIVITY

cont'd



More people are wearing masks outdoors because of the **pollution**. Some illnesses, such as **chronic obstructive pulmonary disease**, are not only on the rise, they are getting worse. During recent interviews, neighbors shared their suffering. One person's words really got to me. They show how dangerous the matter is. **Resident Luz Toro stated, "The fumes have affected my COPD so badly, I might not make it to my grandson's third birthday."** ✓

At the clinic, we've had many calls from parents and caretakers. They want to know if it's safe to let kids play outside. **One mother asked, "Should I be concerned that my son now coughs nonstop after football practice?"** ✓

The very young and old are most at risk from breathing polluted air. Others should note any changes in their health. A harsh cough can be a sign to see a doctor.

# ANSWER KEY

## EPISODE 6: ACT UP


CCRA.R.7

SUPPORT ACTIVITY

cont'd



Polluted air affects all living things. Small creatures suffer even more than we do.


**Dr. Chen Wong explained, "Birds breathe faster than humans, so bad air spreads into their bodies more quickly."** 

What's being done about the **pollution**? Well, the mayor has been speaking out on social media. She knows about the problem, and she's working on it.

@MayorYoung

City inspectors will be sent out to the plant to look into the problem.



In the end, the power plant must change. We need answers from the plant manager. And so, Mr. Jones, if you're watching, there's something we'd all really like to know! **Which gases from the plant are causing health issues, and what are your plans to remove those gases?** 

Finally, what can you do? Write a letter to an elected official. Post your thoughts on Facebook. Share pics and stats as clear proof of the health horrors in Fog Hollow. You can also contact us at the Be Well Family Clinic to find out more ways to help.

Let's work together! We can bring good health and clean air back to our neighbors!

# ANSWER KEY

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ADVANCED ACTIVITY

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### Script for Austen's Video

Hi, I'm Austen Ward, and I'm the family therapist at the Be Well Family Clinic. There's a silent but dangerous **menace** lurking in Fog Hollow, one of Port Douglas' most needy communities. The Pyrite Power Plant is wreaking **havoc** on its residents, and the situation is getting more desperate by the minute!

It began a few months back, when the old power plant reopened. At first, all seemed well. People praised the mayor for bringing jobs back into the community, and they applauded the plant manager for how quickly the plant began running.

Then thick, **billowing** smoke began rising from the plant's smokestacks. Residents started complaining of coughs, trouble breathing, and other signs of **respiratory** illnesses.

We now know that harmful gases from the power plant have caused the rise in these illnesses. Sadly, the pollution has still not stopped. The plant's dangerous fumes continue to put the well-being of its people at risk, and with it, have hijacked the once clear skyline of Fog Hollow.





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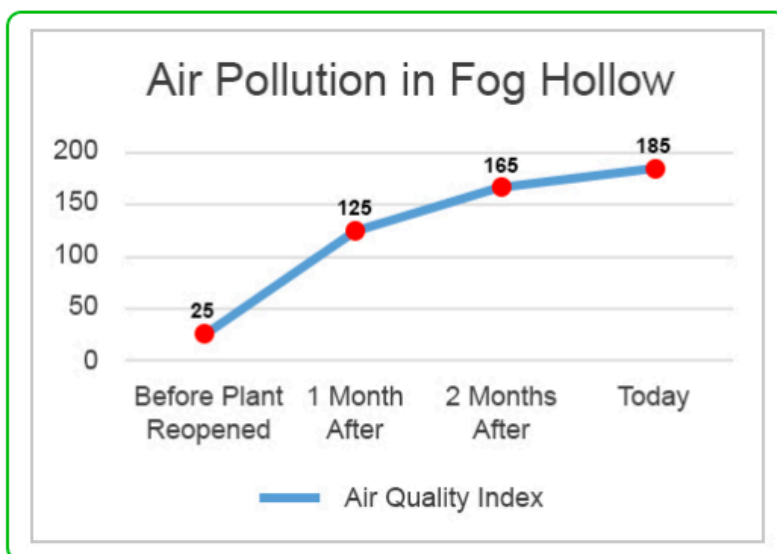
CCRA.R.7

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ADVANCED ACTIVITY

cont'd

While a picture says a thousand words, we also have solid data to back up our claims. Environmental scientists check the quality of the air using a measure called an *index*. The Air Quality Index, or AQI, should be under 100. If the AQI gets past 150, the air is unhealthy for everyone in the community. As you can see from the graph, when the plant reopened, the AQI went from normal to unhealthy almost at once, and the situation has gotten worse.



The data proves that something needs to be done about the power plant immediately, before more people suffer. **Respiratory** complaints at our clinic have more than doubled since the power plant reopened. People with asthma are wearing masks whenever they go outside. Other conditions, such as **chronic obstructive pulmonary disease**, are not only on the rise, they are worsening. In recent interviews, members of the community were very vocal about their suffering, but one person's cry stood out from all the rest. Resident Luz Toro shared, "The fumes have affected my COPD so badly, I probably won't see my grandson's third birthday."

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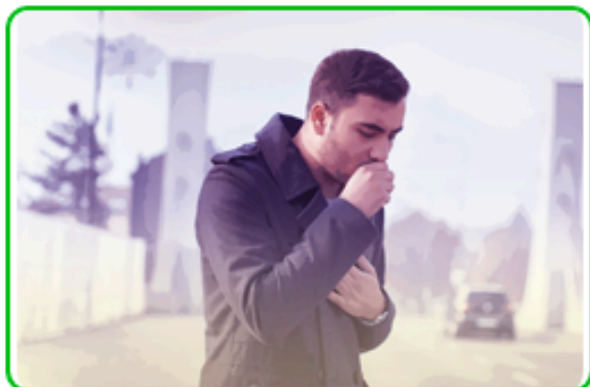
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ADVANCED ACTIVITY

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At the clinic, we've been overwhelmed with calls from parents and caretakers. They want to know if it's safe to let kids play outside. **One mother asked, "Should I be concerned that my son now coughs nonstop after football practice?"** ✓

The very young and old are most at risk from breathing polluted air. All others must be careful, too, and keep note of any changes in their health. A harsh cough can be a sign to see a doctor, even if you're not in a risk group.



The negative impact of air pollution on people is only part of the story. **Contaminated** air affects many living things, and small creatures frequently suffer more than we do. **Dr. Chen Wong explained, "Polluted gases are more toxic to birds because they breathe faster, and so get poisoned faster."** ✓

What's being done about the pollution in Fog Hollow? Well, the mayor's been pretty active on social media, and she's clearly aware of the problem and has promised it will be resolved.

@MayorYoung

City inspectors will be sent out to investigate the situation at the plant.



# ANSWER KEY

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ADVANCED ACTIVITY

cont'd

Ultimately, change must come to the power plant. We especially need answers from someone who knows the situation intimately -- the power plant manager. The public deserves to know the truth! And so, Mr. Jones, if you are watching this video, there's something we'd all really like to get to the bottom of! **Which chemicals from the plant are causing health issues, and what are your plans to remove them?** ✓

Finally, what can the average citizen at home do? You can write a letter to the newspaper or an elected official, such as a member of the state legislature. You can donate to an environmental organization such as [gogreen.org](http://gogreen.org), or post your own announcements on your Facebook account. Share pics and stats as clear proof of the health horrors overtaking this community. And of course, you can always contact us at the Be Well Family Clinic to learn of more ways to help.

Together, we can help bring good health and clean air back to Fog Hollow, and ensure that such a tragedy never happens again.