

**Kentucky**  
**Reading Grade 7**  
**Qualification Set 1**  
**RE07925656243**

**Dagdeviren Work is Significant**

Date	Comments	Version
2/23/22	Origination	A

## Q1-1

AAAYIP13820000370940

Obviously, from the text, you can tell that the author agrees with the passage and the invention of the machine produced by Dagdeviren. The author thinks this is a good idea and that Dagdeviren made a great decision going through with her studies. The author states himself in paragraph 14, "Wearable, flexible electronics could make it possible to constantly monitor the body." He also gave supporting details along with his statement such as, " If a person is wearing a sensor, a doctor can study a stream of data and look for patterns." That proves that the author believes that Dagdeviren's work is significant. He explained her story and then backed it up, showing that he is 100% agreeing with her.

## Q1-2

AAAYIP13820000487995

The author conveys his belief of Dagdeviren's work playing a pivotal role in science by highlighting important inventions. The author states in paragraph 12, "Her inventions converted the movements of the lungs, heart and diaphragm into electricity." Given that your own body can produce electricity, this is a revolutionary invention.

## Q1-3

AAAYIP13820000363412

he made it to where people could do thing to attract electricity by the people doing exercise or doing a sport or even just walking. there were people wanting to learn more about the technology so they tried to do something to find a way if there is a nother way of getting electricity from a human body

## Q1-4

AAAYIP13820000551636

It states that the batteries of a pacemaker need to be changed every 5 to 10 years, but with Dagdeviren's technology, they won't need the batteries. "Right now, pacemakers need batteries that have to be replaced every five to 10 years, Dagdeviren's system wouldn't need batteries."

## Q1-5

AAAYIP13820000448045

They convey their belief because in the text, they talk about how her work could help people. In paragraph 14 they said that the flexible electronic could make it possible to monitor the body. Being able to measure things like blood pressure and temperature would be done in a single moment in time. Doctor could also use the device so that they can look at patterns and data from that person. Also in paragraph 12 they talk about how with the new devices, they could power things like pacemakers by using the movement of the lungs, heart, and diaphragm and use it as electricity. The things Dagdeviren has made could help doctors and people because they are able to show things like patterns and measurements of someone that the doctors are looking at.

## Q1-6

AAAYIP13820000381569

The author convey his belief that the wrok of canan Dagdeviren is significant because he says it is unlike any electronics it says in the text. "Their inventions harldy look like electronics at all."

## Q1-7

AAAYIP13820000694854

The author conveys his belief that the work of Canan Dagdeviren is significant by stating, in **Paragraph 11** Dagdeviren notices piezoelectric materials could capture energy from movement in the human body. showing that we can create energy and convert that energy into a power source for our electronics.



## Q1-8

AAAYIP13820000372400

The beliefs of the author thinks that the work of Canan Dagdeviren is significant. Dagdeviren believes that the energy from inside our bodies can produce energy to help pace our heartbeats. Everytime we pump blood to our veins and arteries we make motion and motion is energy. Mechanical energy is energy is associated with motion, location or both. And we can use that energy to run our personal devices. The motion of our hearts and lungs and our diaphragm into electricity. And can keep our hearts at a steady rhythm. But right now pacemakers run on batteries that has to be replaced every 5 to 10 years, but Dagdeviren system doesnt need batteries to work they run on the energy that gets transfered from our bodies to the device to run our heratbeats orto charge our personal devices. She designed devices to go inside the body. Wearable, flexible electronics could make it possible to constantly monitor the body. Usually the measurements like temperature or blood pressure at a single moment in time. But the snapshot may not tell the whole story.

## Q1-9

AAAYIP13820000728445

He conveyed that her work is significant by describing what she designed in the text. "She designed devices that could be used inside the body. Her inventions converted the movement of the lungs, heart and diaphragm into electricity." With these designs the author was able to convey her work and putting it in the text. By simply looking at her accomplishments in her life.

## Q1-10

AAAYIP13820000381784

The Author convey his belief that the work of canan Dagdeviren is significant? I know this because In the text it states "I fell in love with her husband because he discovered the piezoelectric effect." This shows he was significant because he discovered something that no one thought would ever be discovered.

# **Kentucky 2022 Reading**

## **Qualification Set 2**

### **Grade 7**

**RE07925656243**

## **Dagdeviren Work is Significant**

Date	Comments	Version
2/23/22	Origination	A

## Q2-1

AAAYIP13820000493726

He thinks this because in the passage it states "in the late 19th century french scientist Pierre Curie and his brother Jacques showed that some crystals generate sparks when they're under pressure."

## Q2-2

AAAYIP13820000181495

he conveys his belief that Canan Dagdeviren is significant, by saying all the amazing things shes done like designing devices that could be used inside the human body or, the inventions she made converted the movements of the lungs, hear and diaphragm into electricity. she also suspects that piezoelectric materials could capture energy from the movement in the human body even at rest the body is constantly at motion. she also believes that lungs expand and contrast as you breathe . the heart beat, blood streams through your veins and arteries. all of these are examples of mechanical energy, or the energy associated with motion, location or both. some facts that she says is that her technology might one day provide power to devices like pacemakers, which help the heart keep up a steady rhythm. right now, pacemakers need batteries thta have to be replaced every 5 to 10 years. Dagdeviren's system would't need batteries. so like the author said her work is significant in every way possible her work can help millions maybe half the world someday.

## Q2-3

AAAYIP13820000641741

The author conveys his belief because Dagdeviren made different systems and electronics to prove her theory to be true. She made different devices that humans can use in their bodies to generate power and use the power to run their personal electronics. In the passage it says, "Wearable, flexible electronics could make it possible to constantly monitor the body." Dagdeviren also said, "Our organs and our bodies speak to us."

## Q2-4

AAAYIP13820000591790

The author belief that the work of the canan Dagdeviren is the significant, because his job is about making mechanicals that will help with peoples' body. I know this because in the 11th paragraph it says what they are making and why they are making it as well.



## Q2-5

AAAYIP13820000490144

The author conveys his belief that the work of Canan Dagdeviren is significant because he compares and contrast how inventions without her research to inventions with her research. The text says, "Right now, pacemakers need batteries that have to be replaced every five to 10 years. Dagdeviren's system wouldn't need batteries." As you can see, the author takes the pacemaker now, and tells us how it would be better with Dagdeviren's research. The pacemakers now have to be replaced with expensive batteries every 5 to 10 years. However, with Dagdeviren's research we may never have to replace the batteries, because her research would bring a new pacemaker. A way better pacemaker, so good the batteries would never run out. The text also says, "You can generate power, and use this power to run your personal electronics, she says" This clearly shows that she has done her research, and people aren't just making this up. She knows how to run things using batteries that will literally last you a lifetime. Dagdeviren knows her work and the system/process to do it. No one else has ever been able to come up with any of this. Therefore, this makes her work very significant.

## Q2-6

AAAYIP13820000645207

The author conveys his belief by stating problems that the pacemakers have, the author explained that pacemakers need batteries every 10 years, but Dagdeviren's would not need batteries at all. Also the author in paragraph 6, means that it would be way easier for the wearable technology then to go all the way to the doctor for a checkup.

## Q2-7

AAAYIP13820000686911

The author conveys his belief that the work of Canan Dagdeviren is significant by saying that her electronics did help healthcare. With her electronics you didn't need to change the batteries and you can generate power and run your personal electronics. Her flexible electronics make it possible to constantly monitor the body. I know that because in the ending sentence of paragraph 12 to paragraph 14, it says "Dagdeviren's system wouldn't need batteries. You can generate power, and use this power to run your personal electronics, she says... (Dagdeviren) Wearable, flexible electronics could make it possible to constantly monitor the body." This shows that her electronics did help healthcare and monitor our bodies. Like Canan Dagdeviren says " I use my devices to understand what they're saying."

## Q2-8

AAAYIP13820000681414

The author conveys his belief that the work of Canan Dagdeviren is significant by explaining things that she has done and explaining how she got the inspiration and idea for her work. In paragraph 8 and 9 it says, 'Canan Dagdeviren recieved a book about the scientist Marie Curie from her father. Curie was the first woman to win a Nobel prize, one of the highest honors given to a scientist.' (paragraph 8) in paragraph 9 Canan states, "I think my dad was thinking I would get inspiration from her." recalls Dagdeviren, who does research on wearable electronics at Harvard University and MIT, both in Cambridge, Massachusetts. Dagdeviren also states, "But when I read the book, I fell in lover with her husband because he discovered the piezoelectric effect."

## Q2-9

AAAYIP13820000744653

The author conveys his belief that the work of Canan Dagdeviren is significant by trying to get his daughter to be inspired by Curie. He wants her to be inspired by her because she was the first woman to win the Nobel-prize (Curie actually won two). Curie researched on wearable electronics at Harvard University and MIT, both in Cambridge, Mass.

## Q2-10

AAAYIP13820000771110

The author conveys his belief that the work of Canan Dagdeviren is significant when he suggest that her work/studies may possibly be used one day to provide power to devices. In the text it states, "This technology might one day provide power to devices like pacemakers, which help the heart keep up a steady rhythm. Right now, pacemakers need batteries that have to be replaced every five to 10 years. Dagdeviren's system wouldn't need batteries."