A Rover's Story
By: Jasmine Warga

1. Where is the Rover being developed?
   A NASA Laboratory in CAlifornia

2. How was the Rover named?
   There was a contest, and a 6th grader came up with the name Resilience since the Rover needed to be resilient when it went to Mars.

3. What was the Rover's nickname and who gave it to him?
   His nickname was Res and it was given to him by Xander, one of the hazmats.

4. What is a hazmat?
   It is Res's name for the scientists that are working on him. He comes up with he name since they are always dressed in a hazmat suit when they work with him.

5. What planet was Res built to explore?
   Mars

6. What two things were in Res's mission?
   - To find the other Rover (Courage) that went offline
   - To discover something important about Mars – Soil/rock samples

7. What does Res love, especially if he is nervous?
   Music – Especially "Twinkle, Twinkle"

8. What is Fly and where does he live?
   Fly is a drone that lives inside of Res.

9. Why is Rania afraid that they will not get Res home?
   It is very expensive to retrieve a Rover from space. They do not have the money in the funding.

10. What is the first thing that Res does when he lands safely on Mars?
    He takes pictures.

11. What is Res looking for on Mars besides the other Rover?
    He is looking for salt in the soil and fossils to prove that there has been life on Mars.

12. Which Mars rover was this story inspired by?
    Perseverance

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13. What is the name of the student who writes to Res? What is special about her?
    The student is Sophia and she is the daughter of Rania – the lead developer of Res.

14. What do the humans call the white suits they wear around the rover?
    Bunny suits

15. Why do all the humans around Res wear hazmat suits?
    It is important for the mission that Res be kept in a sterile and clean environment.

16. How does Res describe the code that Rania writes?
    Elegantly written code without any of the bugs (problems)

17. Why are the tests run on Res's cameras his favorite?
    They allow Res to see his surroundings.

18. Why does Res like Xander?
    He speaks to him in human speech.

19. What phrase does Journey make up?
    beeps and boops

20. How many brains does Res have?
    2

21. What device does Res have that no other rover had?
    a microphone

22. What is Rania's nickname for Sophia (her daughter)?
    Lovebug

23. What does Rania do the night before Res is shipped to Florida?
    She plays him a song in Arabic.

24. What do humans call the landing of the Rover on Mars?
    Seven Minutes of Terror

25. What is stored in Res's WEB (warm electronics box)?
    all of his electronics like his brain and cameras

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26. How long does it take Res and Fly to get to Mars?
    7 months

27. Who is Guardian?
    A satellite orbiting Mars that is meant to help Res on his mission.

28. When Res hears a strange sound, what does Guardian tell him it is?
    He says it is the wind.

29. How long does Res say it will take him to reach Courage?
    Longer than a human year.

30. How does Guardian help Res get unstuck?
    He tells Res to try turning in a circle.

31. What message from the command center does Res override after he gets caught in the dust storm?
    He is told to not retrieve Fly, but he does get him anyway.

32. What happens when Res tries to access Courage's system?
    He finds that it is blank. There is nothing there to access.

33. Why does Res want to climb the mesa?
    He sees a tunnel and wants to explore it. He thinks he can find a fossil or signs of life there.

34. What happens to Res after he gets stuck close to the tunnel-like opening on the mesa?
    He tries to reach his arm out to drill to get a sample of rock. When he gets the sample, the rock breaks and he falls down the mesa.

35. How long was Res offline?
    17 years

36. Where are journey and Res reunited? What happened to Fly?
    They were put in a museum for people to come and see. Fly was never returned to Earth.

37. Who is the special visitor that comes to see Res in the museum?
    Rania came to the museum. (Sophia also came.)