

ANSWER THE FOLLOWING QUESTIONS ON P. 163 - 164 IN YOUR ISN "INTERNATIONAL SPACE STATION"

THE INTERNATIONAL SPACE STATION BY THE NUMBERS (YELLOW-LEFT)

1. "Approximately 7 tons of supplies support a crew of 3 for about 6 months". This is 14,000 pounds of supplies that will last 180 days. What are some **necessary** supplies that you would need as an astronaut living in the ISS for that amount of time? (2-3 sentences)
2. The ISS "travels a distance equivalent to the moon and back" in about a day. The distance to the moon is 230,100mi ONE WAY. Traveling around the globe, describe things that you would **see** and how you would **feel** as an astronaut on board! (3-5 sentence narrative)

THE LONGEST TRIP (YELLOW-RIGHT)

3. Create a chart in your ISN that shows the name, country, length of time in ISS, and any special honor held by the following astronauts: Scott Kelly, Michael Lopez-Alegria, Valeri Polyakov, Samantha Cristoforetti, Yuri Gagarin. All sections of the chart may not be complete for each astronaut.

WHY SALAD IN SPACE MATTERS (GREEN)

4. It is obviously important to have fresh fruits, veggies, and plants in space for the astronauts to eat to maintain a healthy diet. Why else is space gardening important? What other impacts can it have on the astronauts while in space?
5. How can our Tomatosphere project ultimately help scientists and, therefore, anyone who goes into orbit, in their efforts to grow plants in space?
6. The "Veggie" is a high-tech growing chamber used to grow these "space plants." How does light play a factor in the Veggie growing chambers?

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