

1. What might this visualization be representing or showing, and why?
2. How accurate was your initial hypothesis?
3. Do you expect to see any patterns in the movement of the raptors through time? Describe.
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5. What might account for the timing of the birds' migrations? What might you expect the pattern of the migrations be over the rest of the year?
6. What (process) is carbon absorption a measure of?

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7. Does there appear to be a correlation between the movements of the raptors and changes in carbon absorption in these regions? Describe.
8. How might carbon absorption on land and in the oceans be related to the migration patterns of turkey vultures and ospreys?
9. Write a brief summary of the information presented in the video clip. How did your preexisting knowledge help you with forming hypotheses throughout this exercise?
10. The scientific data you analyzed in this video clip (raptor migration patterns and carbon absorption) are what we call 'empirical' data, or data/knowledge that we've acquired through experimentation and observation. How do you think scientists obtained the empirical data used in this visualization? What other empirical data might be useful for further analyzing the migration habits of these two raptors?

Name: _____ Date: _____