

Teacher Reference Sheet A.1.1
Weather and Climate Facts and Fictions

- 1. Why is the sky blue?**
- 2. What makes the wind?**
- 3. What are clouds?**
- 4. What makes rain?**
- 5. Why is it hotter in summer than in winter?**
- 6. Does air have weight?**
- 7. What makes a rainbow?**
- 8. What's the most dangerous kind of extreme weather event?**
- 9. Does the rain that falls to Earth stay in the rivers and oceans?**
- 10. Does air move from high to low pressure, or from low to high pressure?**
- 11. Why do we see lightning before we hear the thunder?**
- 12. What makes lightning?**
- 13. Can lightning strike twice in the same place?**
- 14. Can a groundhog predict the weather?**
- 15. Can the shape and type of clouds predict tomorrow's weather?**
- 16. If land gets hotter quicker than water, why are the oceans more important in driving Earth's weather?**
- 17. Does water flowing down a bathtub drain spin in different directions in the northern and southern hemispheres?**
- 18. Do hurricanes spin in different directions in the northern and southern hemispheres?**
- 19. What causes a tornado?**
- 20. Do Celsius and Fahrenheit scales measure the same thing?**
- 21. Does America have the wildest weather on Earth?**
- 22. Does Earth experience a "greenhouse effect"?**
- 23. Is Earth experiencing global warming?**
- 24. Which is bigger, a thunderstorm or a hurricane?**
- 25. Have there always been El Niño events, or are they a recent phenomenon?**