

DATELINE: March 29 2000 — two tornadoes swept through the major city of Fort Worth in Texas, overturning cars and uprooting trees. The tornadoes struck just after the evening rush hour, killing four people and injuring more than 100. The storms were accompanied by torrential rain and giant hailstones, shattering windows in the city's high-rise buildings. Large parts of the Fort Worth, Grand Prairie and Arlington areas were left without electricity by the tornadoes.

1. Using the outline map of the U.S.A. below and pages 198-199 of the *Jacaranda Atlas*,

- (a) mark in the city of Fort Worth.
- (b) What is the population of Fort Worth?

- (c) What larger Texan city is close to Fort Worth? _____ Mark it on the map.



2. Study the map of tornado risk on page 200 of the *Jacaranda Atlas*.

- (a) What level of risk exists for the city of Fort Worth? _____
- (b) Shade the risk levels for Texas on the outline map.
- (c) List the other tornadoes which have affected the U.S.A. in the last decade.

3. Study the graph on page 200 of the *Jacaranda Atlas*.

- What has been the average number of
- (a) reported tornadoes in the month of March? _____
 - (b) deaths in the month of March? _____

What months have the greatest average numbers of

- (a) tornadoes, and _____
- (b) deaths caused by tornadoes?

4. Using the information and the diagram on page 200 of the *Jacaranda Atlas*, add the following labels to the blank diagram to explain the formation of a tornado: **warm humid air, dirt and debris, vortex, updraft, gentler mid-level winds, strong upper-level winds, supercell thunderstorm, mesocyclone.**

