

NANCY DREW

Trail of the Twister Overview



Apprehend a Saboteur Stirring up Turbulent Trouble!

\$100,000,000 is at stake in this competition to discover a formula to predict tornado touchdowns. But when equipment starts failing and crew members are injured, you as Nancy Drew, must join the team to keep them in the competition. Is it just bad luck that's plaguing the storm chasers or is someone sabotaging their chances of winning in the action-adventure *Nancy Drew: Trail of the Twister*?

Overview for Nancy Drew Games: Learn & Play

Nancy Drew: Trail of the Twister is a fictional game that offers engaging gameplay and learning while solving a Nancy Drew mystery. The story involves a storm chasing team who tracks and logs intense weather patterns and tornadoes. The story, theme and setting offer numerous insights and learning opportunities.

The following are ideas for learning while playing that the HeR Interactive team hopes will **encourage discussions** and **offer points of learning** in the **listed subject areas**.

In addition to this subject overview for ways to apply the game to various subjects, we have created a **worksheet**. It has questions for players to complete while playing the game for added learning and engagement.

Science and Meteorology

Take pictures of different cloud formations over the course of the season where you live. Be sure to label them by the type of formation that they are. See the binder of sketches and notes in the game for the different clouds.

Consider buying or borrowing a home weather station for your location. Learn to read the data it provides and track the weather patterns in charts over the course of a season.



Build an emergency/disaster kit. Refer to the game for the basic list, but also take a look at recommended preparedness suggestions from web sites for your local area, or from sites such as <https://www.cdc.gov/childrenindisasters/checklists/kids-and-families.html>.

Personal Finance


Grocery budgeting – Just like in the game, have your student (or you) set a dollar amount before heading to the store for essential items. Make a list of the top priority items you need most, and when you and the student arrive at the store, consider the different brands, sales, and deals that are offered. Calculate the tax (if applicable) and full cost to figure out the best way to get the most for the money you have budgeted *without* going over. Consider using cash for a more tangible understanding of the use of money. If the estimated cost is higher than expected, pick an item or two to be removed. Then refer to the receipt to see where the changes occurred.

History and Social Studies

Consider the history of the area where you live – who were the natives who lived there before white settlers and homesteaders moved in and inhabited the land? Research the state you live in and what led to it becoming a part of the Union.



Trail of the Twister Worksheet

 As your student plays through the game Nancy Drew: Trail of the Twister, they can find information about weather conditions, tornadoes, storm safety, and more. This worksheet provides questions (and answers on the teacher version here) for your student to fill out as they play. Encourage your student to also take handwritten or digital notes while playing the game in order to solve the mystery. If you or the student gets stuck in the game, please refer to the free official game strategy guide included with your game purchase from HeR Interactive. For additional questions and resources, please visit herinteractive.com or email us at feedback@herinteractive.com.

Q1: A majority of tornadoes occur in the area known as Tornado Alley, that partially includes what 5 states?

A: *Oklahoma, Texas, Kansas, Missouri and Illinois.*

Q2: (Fill in the blank.) Homesteaders were frequently beaten to land claims by the _____, who had cheated by sneaking in before the appointed time to claim the lots.

A: *Sooners*

Q3: What was the highest recorded wind speed in a tornado during the May 3rd, 1999 Oklahoma City storm?

A: *Clocked at 318 MPH*

Q4: The summer of 1931 began the almost decade-long drought famously known by what name?

A: *The Dust Bowl*

Q5: The F-scale measuring system for tornadoes was named after whom?

A: *Dr. T. Theodore Fujita*

Q6: During the long relocation of the Cherokee Nation, they suffered hunger, disease, exposure and exhaustion, and many perished. It is for this reason that the relocation is known by what name?

A: *The Trail of Tears*

Q7: (Circle one). Which describes the Mammatus cloud formation?

- a. Lowering section of clouds from a cumulonimbus base that is capable of spawning tornadoes.
- b. Thin and relatively transparent clouds that frequently produce halos around the sun or moon.
- c. Low clouds detached from the main storm cloud base, often wispy or ragged-looking.
- d. Pouch-like clouds frequently seen dropping from the underside of a cumulonimbus anvil.

A: *d. Pouch-like clouds frequently seen dropping from the underside of a cumulonimbus anvil.*

Q8: In preparation for an emergency, every family member should have an emergency kit which includes what basic staples? (List at least 5 of the 10 items found in the game.)

A: *Water, sugar, salt, granola bars, batteries, flashlight, can opener, toothpaste, duct tape, bleach.*

Q9: What Y-shaped sticks used by European and later American settlers helped them to find gems, oil, water, minerals and even gravesites?

A: *A divining rod*

Q10: On average, what percentage of tornadoes each year rank as either an EF4 (wind speed gusts of 166-200 mph) or EF5 (wind speeds of 201+ mph)?

A: *1%*

Trail of the Twister Worksheet

For the last part of the student worksheet, the activity is of pictures and sketches of cloud formations, as seen in the game. There are two activities you can choose to do with these pictures. The first is to cut out all the pictures and all the sketches with names and descriptions, flip them face-down and mix them up, then have the student flip two cards over at a time to find the picture that matches with the sketch and description (memory game). In this way, the student practices learning and identifying cloud formations.

The other option is to simply have the student connect the sketch and description with the picture, either by cutting them out and taping or gluing them together front to back, or drawing a line connecting the two directly on the paper.

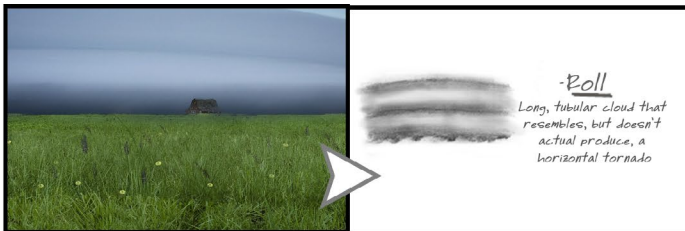
The answers are below for your reference.

Picture of Cloud Formation

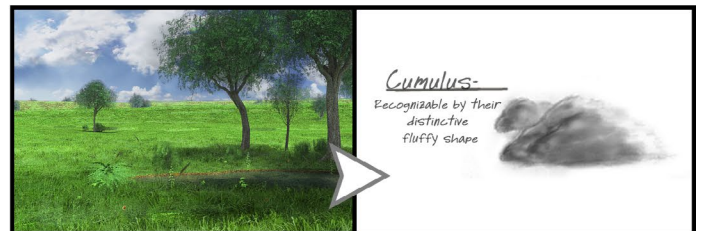
Sketch & Description

Picture of Cloud Formation

Sketch & Description



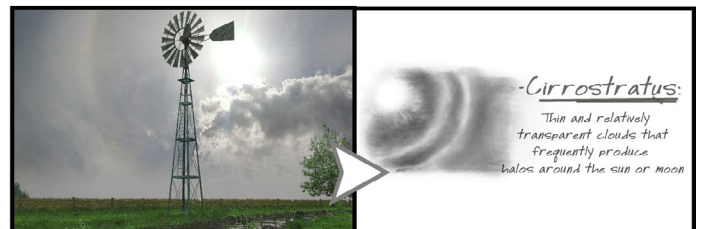
-Roll
Long, tubular cloud that resembles, but doesn't actual produce, a horizontal tornado



Cumulus-
Recognizable by their distinctive fluffy shape



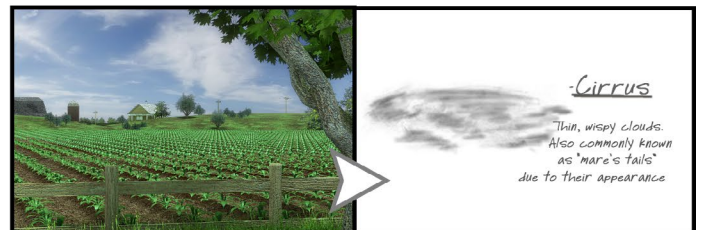
-Wall
Lowering section of clouds from a cumulonimbus base that is capable of spawning tornadoes



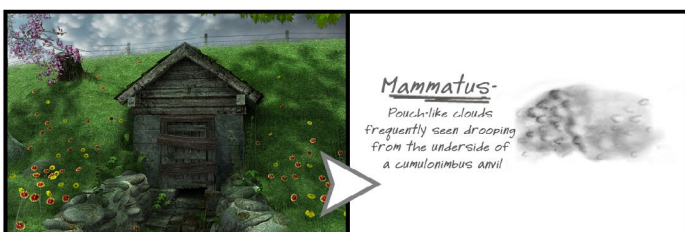
-Cirrostratus:
Thin and relatively transparent clouds that frequently produce halos around the sun or moon



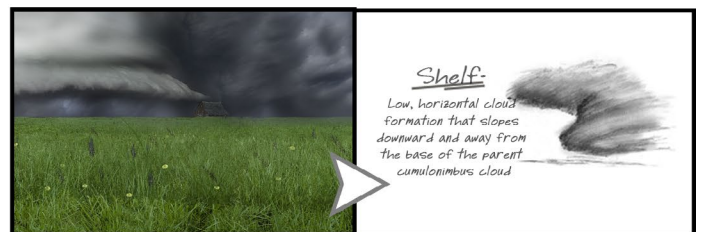
Scaud-
Low clouds detached from the main storm cloud base, often wispy or ragged looking



-Cirrus
Thin, wispy clouds. Also commonly known as 'mare's tails' due to their appearance



Mammatus-
Pouch-like clouds frequently seen drooping from the underside of a cumulonimbus anvil



Shelf-
Low, horizontal cloud formation that slopes downward and away from the base of the parent cumulonimbus cloud

Answer the questions as you play and explore Nancy Drew: Trail of the Twister! It helps to take hand-written notes, too!

Question 1: A majority of tornadoes occur in the area known as Tornado Alley, that partially includes what 5 states?

A:

Question 3: What was the highest recorded wind speed in a tornado during the May 3rd, 1999 Oklahoma City storm?

A:

Question 2: (Fill in the blank.) Homesteaders were frequently beaten to land claims by the _____, who had cheated by sneaking in before the appointed time to claim the lots.

A:

Question 4: The summer of 1931 began the almost decade-long drought famously known by what name?

A:

Question 5: The F-scale measuring system for tornadoes was named after whom?

A:

Question 6: During the long relocation of the Cherokee Nation, they suffered hunger, disease, exposure and exhaustion, and many perished. It is for this reason that the relocation is known by what name?

A:

Question 7: (Circle one). Which describes the Mammatus cloud formation?

- a. Lowering section of clouds from a cumulonimbus base that is capable of spawning tornadoes.
- b. Thin and relatively transparent clouds that frequently produce halos around the sun or moon.
- c. Low clouds detached from the main storm cloud base, often wispy or ragged-looking.
- d. Pouch-like clouds frequently seen dropping from the underside of a cumulonimbus anvil.

Question 8: In preparation for an emergency, every family member should have an emergency kit which includes what basic staples? (List at least 5 of the 10 items found in the game.)

A:

Question 9: What Y-shaped sticks used by European and later American settlers helped them to find gems, oil, water, minerals and even grave sites?

A:

Question 10: On average, what percentage of tornadoes each year rank as either an EF4 (wind speed gusts of 166-200 mph) or EF5 (wind speeds of 201+ mph)?

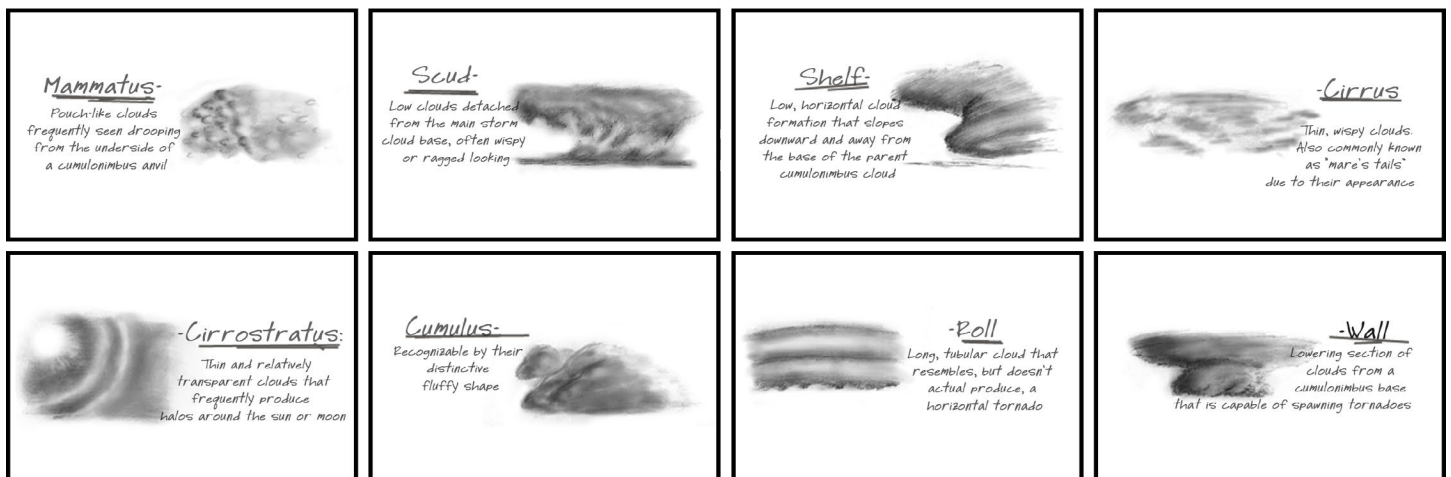
A:

Have your teacher, educator or parent instruct you on the activity below. Cut out the pictures of cloud formations as well as the sketches with their descriptions. Match the pictures with the sketch description. For an extra challenge, flip the cards over and shuffle them up to play a memory game - match the picture with its sketch and description!

Pictures of Cloud Formations

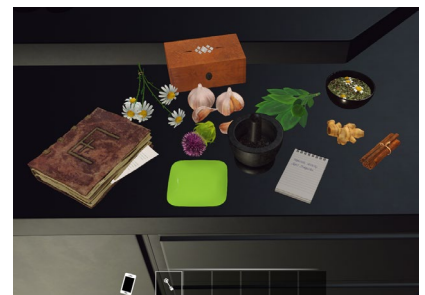
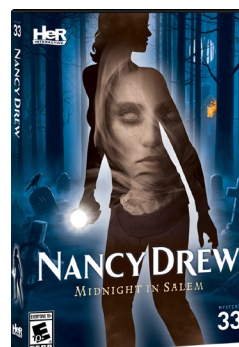
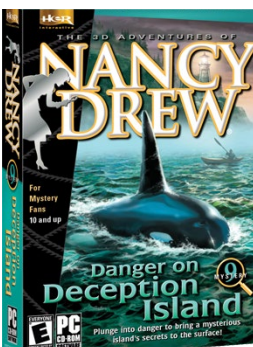
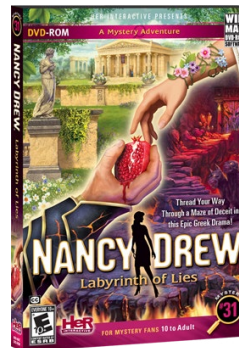
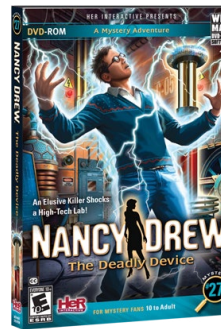
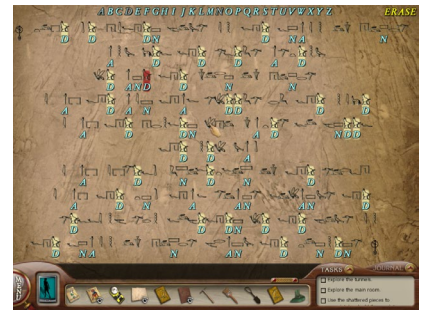
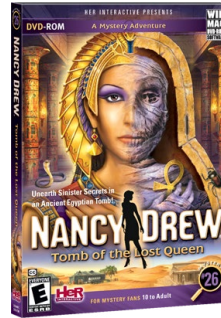
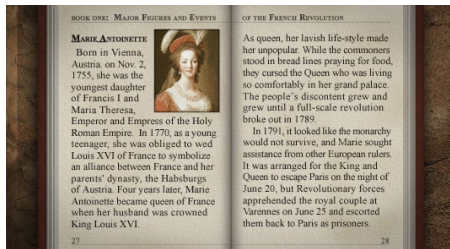
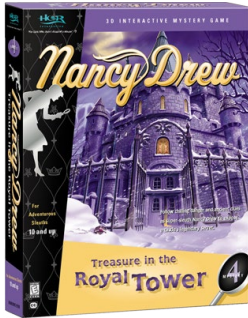


Sketches & Descriptions



NANCY DREW®

Play these other great educational Nancy Drew Games and download the accompanying worksheets for added learning!



Visit www.herinteractive.com today!