

Student Data Sheet

Using Cold Water

		Temperature			
		white	black	red	green
Time	5 minutes				
	10 minutes				
	15 minutes				
	20 minutes				
	25 minutes				
	30 minutes				

Using Hot Water

		Temperature			
		white	black	red	green
Time	5 minutes				
	10 minutes				
	15 minutes				
	20 minutes				
	25 minutes				
	30 minutes				

Sunny, The Cool Puppy

Read the story to the students, pausing at each * to let them decide how color affects temperature. If the story illustrates a good idea, they are to hold up their thumbs and say, "thumbs up, smart pup." If they don't think it's a good idea, they turn their thumbs down and say, "thumbs down, let's frown."



Sunny is a cute, little, golden-colored puppy who just moved to the country. She used to live in an air-conditioned apartment in a big city. In the apartment, it was cool all the time, but when she went outside it was always hot, especially the roads and sidewalks. Now that Sunny is in the country, she loves being outdoors in the sunshine.

Today, the sunshine is especially warm. Luckily, Sunny has a pretty, light-colored fur coat * (*thumbs up, smart pup*) so she stays cooler than her brother with his dark fur * (*thumbs down, let's frown*). The heat was making Sunny sleepy, so she looked for a cool place to nap. She headed to her pretty, new, white doghouse * (*thumbs up, smart pup*), with the sparkly, black roof * (*thumbs down, let's frown*). But it was too hot inside her house, so she found a nice, shady spot under a big leafy tree instead * (*thumbs up, smart pup*).

After her nap, Sunny needed a drink, so she trotted down the black asphalt driveway * (*thumbs down, let's frown*). But, it was too hot for her little paws, so she quickly got onto the white sidewalk * (*thumbs up, smart pup*). That

felt better, but the cement was still very warm, so she moved onto the soft, cool grass * (*thumbs up, smart pup*). The soil under the grass was damp, and it felt very good to her hot paws.

Later in the morning, Sunny's master invited her to go for a ride. Sunny loved to go in their shiny black car and hopped right in. Wow! It was really hot inside * (*thumbs down, let's frown*). Sunny jumped back out and decided to play in the sprinklers instead * (*thumbs up, smart pup*).

After lunch, Sunny went exploring. The big, dark red barn looked interesting * (*thumbs down, let's frown*). Sunny only stayed in there a few minutes; it was way too hot. The next building was the pretty, white horse stables with the light blue roof * (*thumbs up, smart pup*). It was nice and cool inside and the fresh hay was fun to roll in. The horses were friendly and even nickered at her.

Sunny loved living in the country. She loved the fall when all the leaves turned to shades of reds and oranges and she even loved the winter when she could romp in the snow.

In December, she liked lying in her dog house with the black roof * (*thumbs up, smart pup*), because it was always nice and warm inside when the sun was shining. Sunny found that she even liked the big, dark red barn in the winter * (*thumbs up, smart pup*) because it was much warmer than the white horse stables with the light blue roof * (*thumbs down, let's frown*).

Sunny wondered why her dog house was so comfortable in the winter and so hot in the summer. She also thought it was strange that she preferred the barn in the winter and the horse stables in the summer.

Can you tell Sunny why she liked the different buildings during the different seasons?