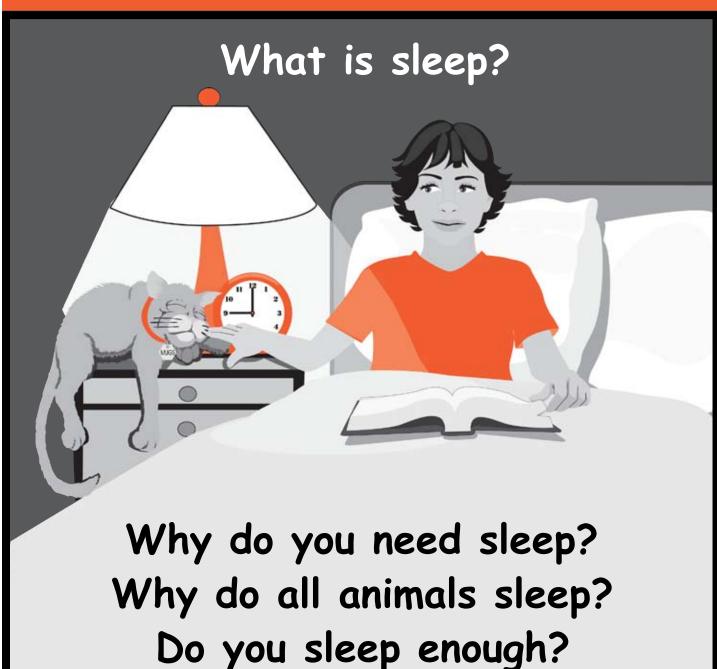


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## What is sleep?

When you sleep, your brain works differently than when you are awake. There are two kinds of sleep, REM Sleep and Quiet Sleep. Both kinds are important for good health.

#### In REM sleep

- Your eyes move
- You dream
- Most of your muscles do not move

#### In Quiet Sleep

- Your eyes do not move
- You do not dream
- Your muscles move
- Cells repair themselves



In REM sleep, your eyes move back and forth while you dream. You might have seen your dog's eyeballs moving under its eyelids as it dreams.

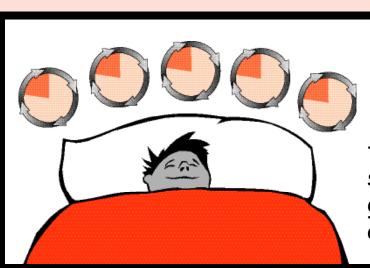
You dream every night, but you don't always remember your dreams.

REM

QUIET

## A Sleep Cycle

When something happens over and over again in the same way, it is called a cycle.

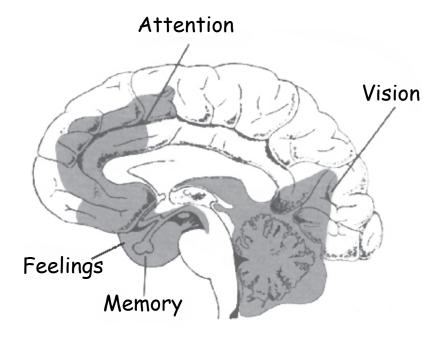


At night, your brain goes through sleep cycles. You start out in Quiet Sleep, then go into REM sleep, then back again to Quiet Sleep.

# What happens when you sleep? Your body is quiet, but your brain is working hard.



The shaded areas of this picture are the parts of your brain that work hardest when you sleep.



Why Do Animals Sleep?

Animals need sleep to stay alert while they are awake. A sleeping animal might be eaten!





The body's cells need a "tune-up" after hard work.



inimals: ave ene When animals don't sleep enough, they start forget things!

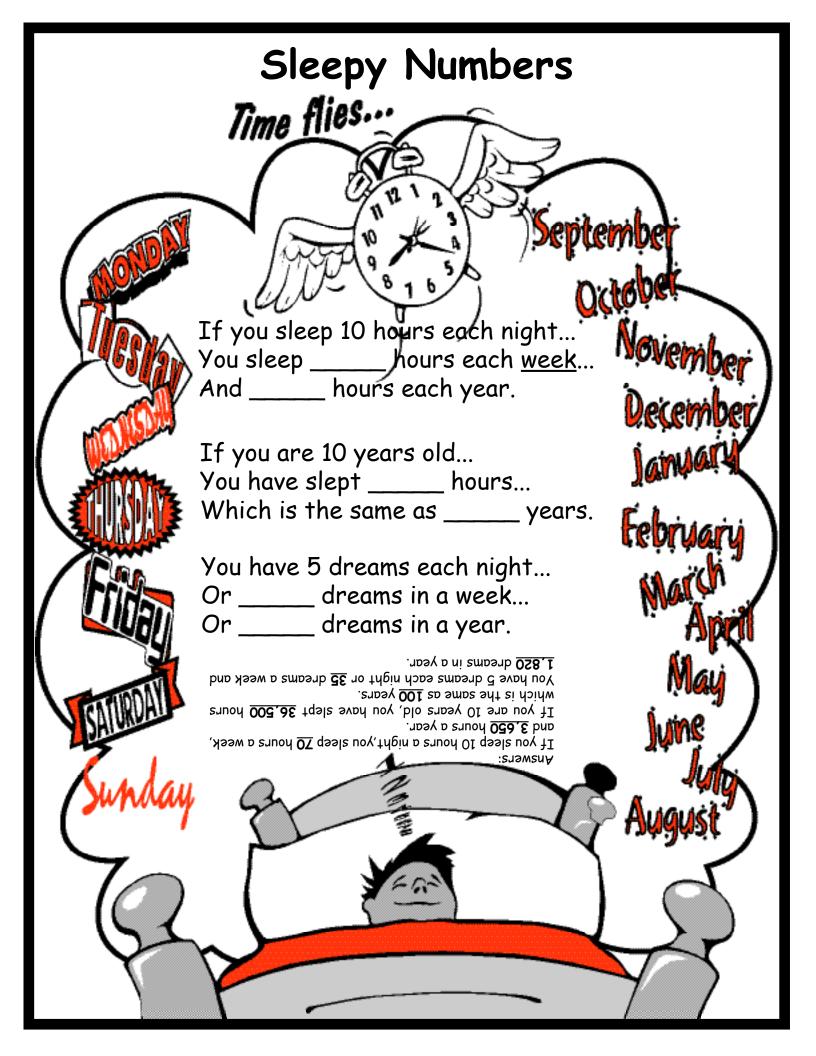


All animals sleep. Some animals sleep more than others.

Here are some animals and the number of hours they sleep in a 24-hour period.

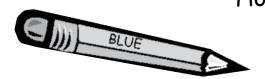
Animal	Hours of sleep a day
Giraffe	e 2
Human	8
<b>D</b> og	10
Squirre Squirre	ıl 15
Opossu	m 18
Bat	20



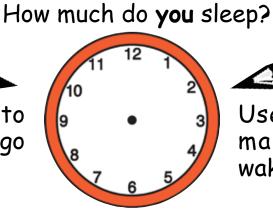


# Do You Sleep Enough?

Children need to sleep at least 10 hours every night.



Use a blue pencil to mark the time you go to sleep.

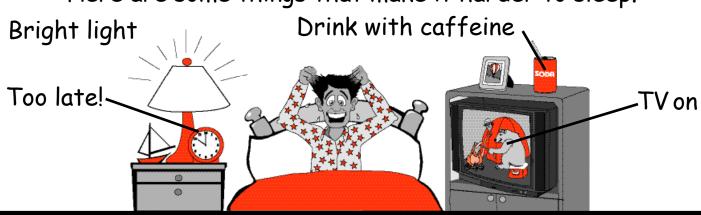


Use a red pencil to mark the time you wake up.

Count the hours between the blue and red pencil marks to see how long you sleep!



Here are some things that make it harder to sleep.



This newsletter addresses QCC Grade 5 Standards 21, 22.

Written by Linda Lögdberg. Layout, illustrations and graphics are by Sheila Ward. Source for sleep cycle illustration: http://www.sleepforkids.org/html/cycles.html.

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