

Pre-K to Grade 1

# Ready for U.S.\*

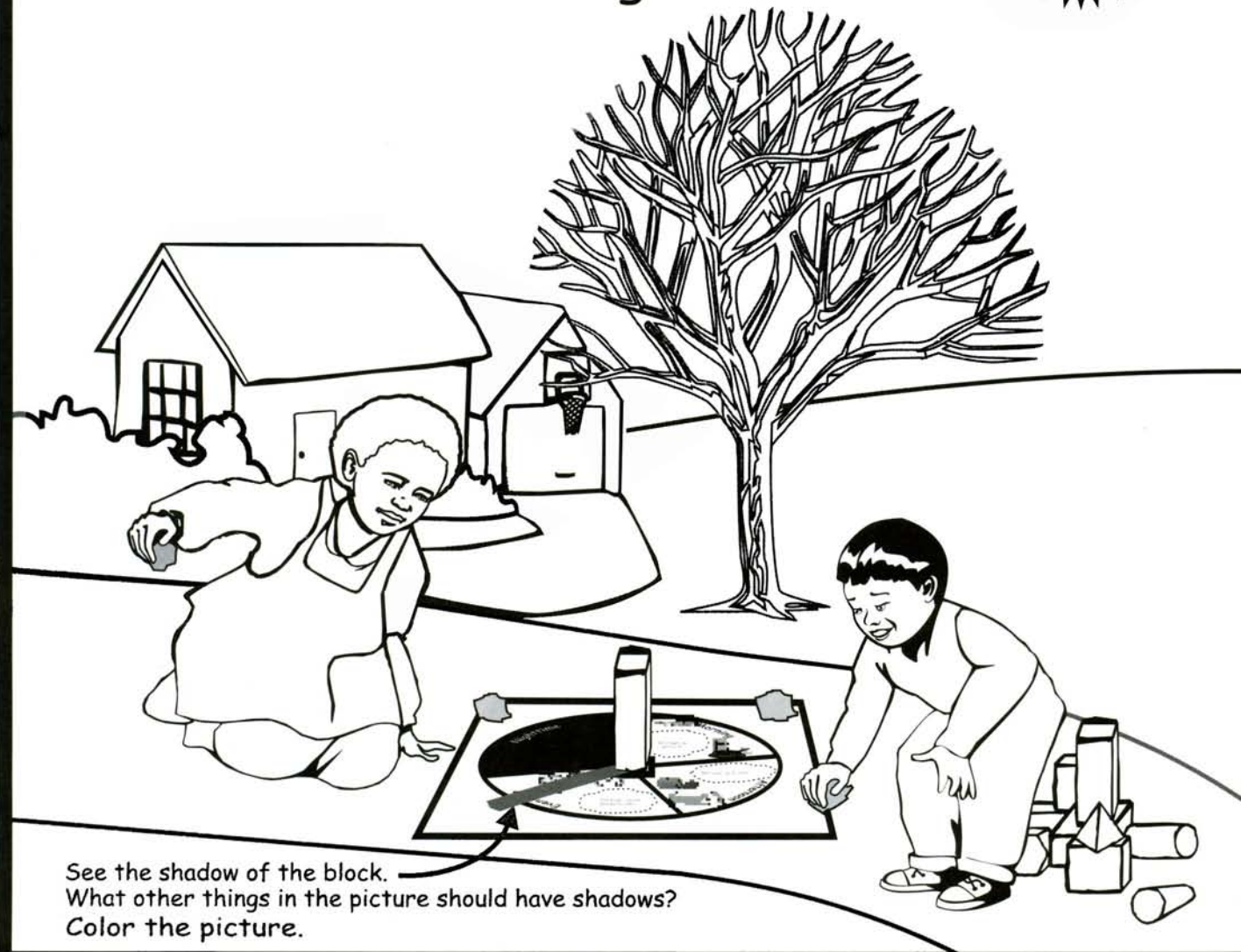
\*Understanding Science

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You can make a fun sun clock,  
with the shadow of a block.  
Stand a block up on the ground.  
Watch the shadow go around.

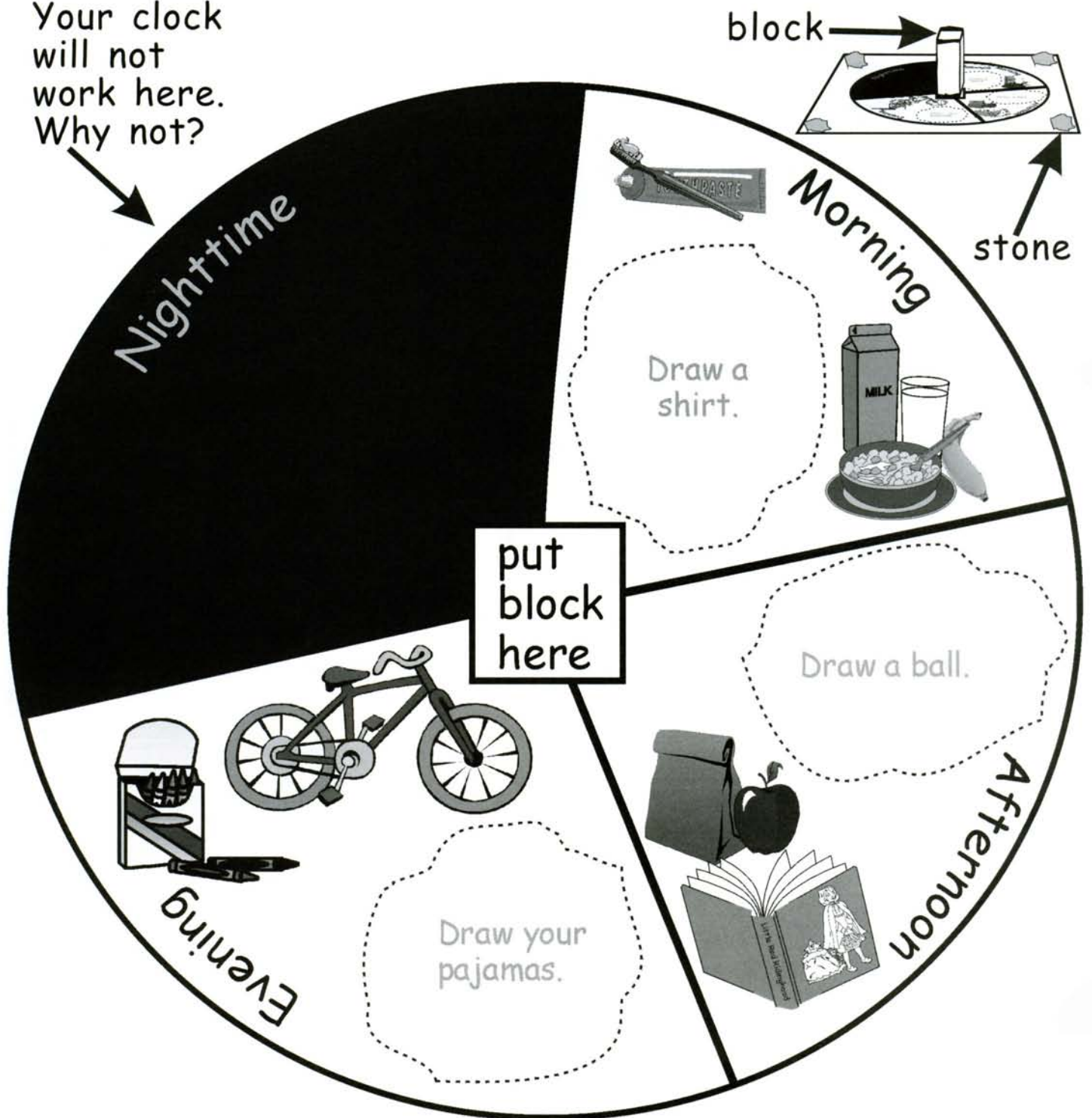


See the shadow of the block.  
What other things in the picture should have shadows?  
Color the picture.

# MAKE A SUN CLOCK!

1. Take this page outside on a sunny morning.
2. Put the page on a flat place.
3. Stand up a tall block in the middle of the clock.
4. Turn clock so the shadow of the block is on Morning.
5. Add stones to the corners so page does not blow away.
6. Look at the shadow in the morning, afternoon and evening.

Your clock will not work here. Why not?

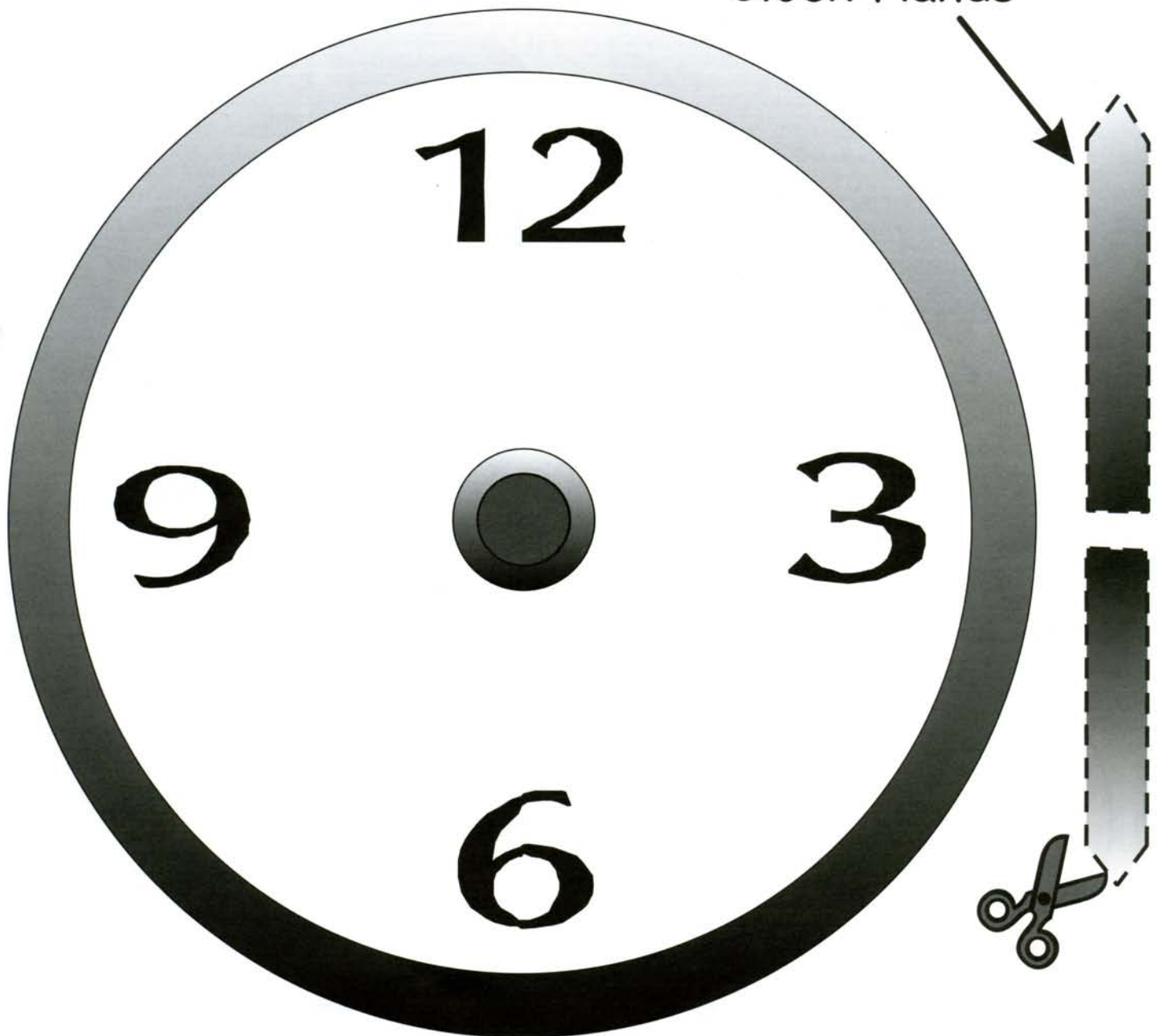




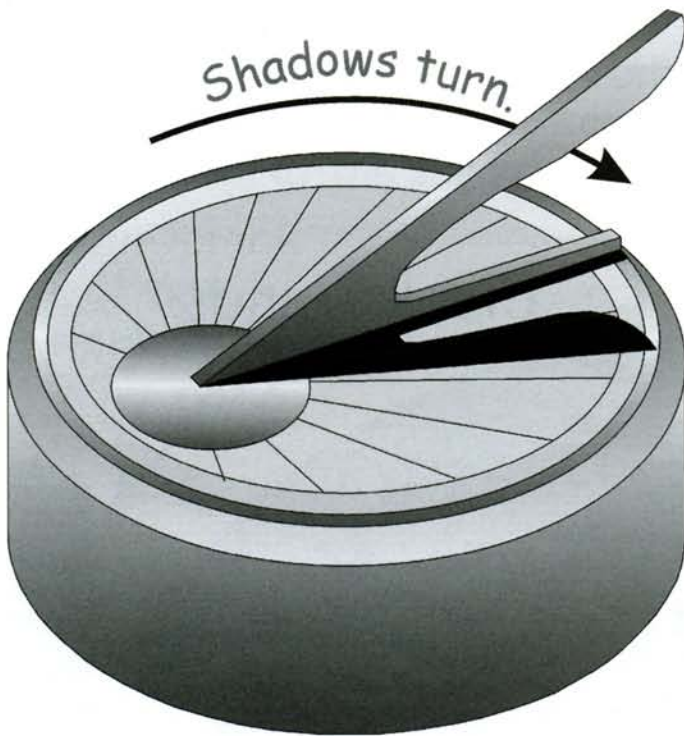
# MAKE A CLOCK WITH HANDS!

1. Add the missing numbers to the clock.
2. Cut out the hands.
3. Put the hands on the center of the clock.
4. Have fun turning the hands to different times.

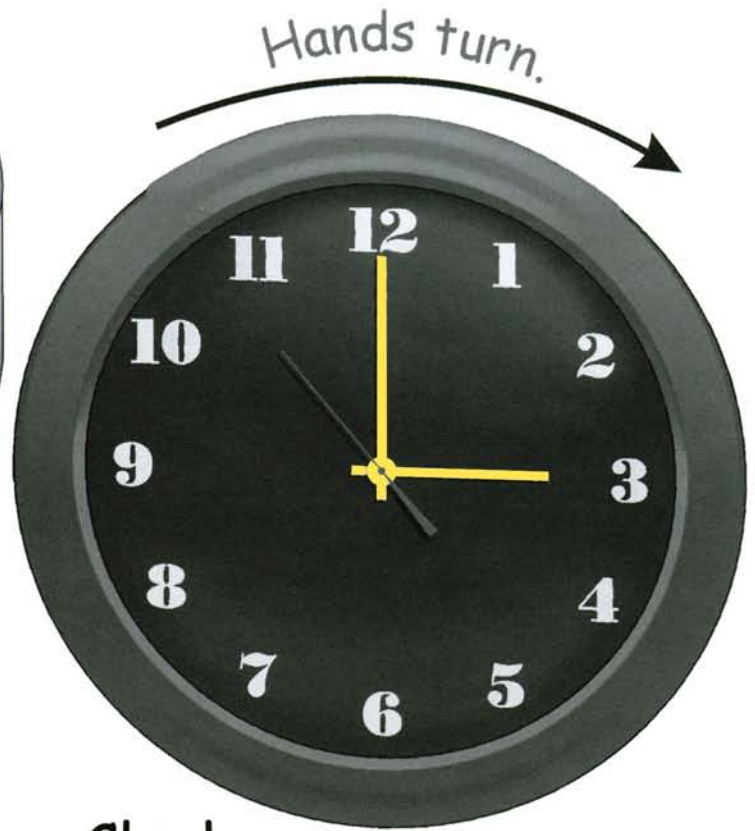
Clock Hands



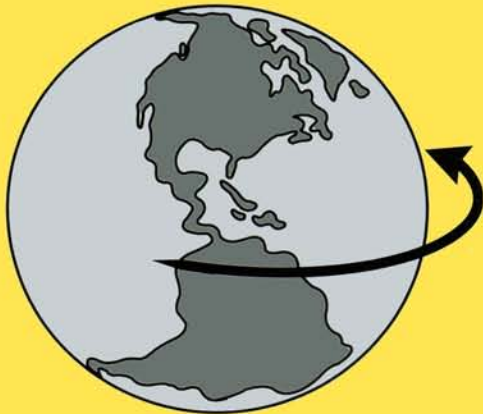
When people invented clocks, they made them with hands that move the same direction shadows move.



Sundial



Clock



The earth is always turning. This changes where the sun is in the sky. This makes the shadows move.