Oaklands School

Science home learning

Year 7– Middle ability

Acids and alkalis

Have fun having a go at the activities inside this pack on acids and alkalis.

We really hope you have fun doing some of these activities!

The Science Team ☺

Hazard symbols

Many items contain acids and alkalis and they have hazard warning labels.
Draw 4 pictures of hazard symbols you find on everyday items for example this

hazard symbol is on a deodorant can.

Copper coin experiment

1. A dirty copper coin is found.
2. Coke is put in a glass.

3. The coin is added into the coke. Draw what you think might happen.

The coin goes shiny. Was your idea correct?

Yes/ no (circle)

Corrosive materials

Some drinks like coke are acidic and are corrosive.
This symbols means corrosive.

Circle the safety equipment you should wear when using corrosive substance

What are the names of the items of safety equipment?

pH Scale

Look at this pH scale

pH Scale

	pH	Examples
Very Acidic	1	Stomach acid
	2	Lemon juice
	3	Vinegar
	4	Tomato juice
	5	Black coffee
Slightly Acidic	6	Saliva
Neutral	7	Pure water
Slightly Alkaline	8	Sea water
	9	Baking powder
	10	Soap
	11	Ammonia
	12	Bleach
	13	Oven cleaner
Very Alkaline	14	Drain cleaner

Answer these questions

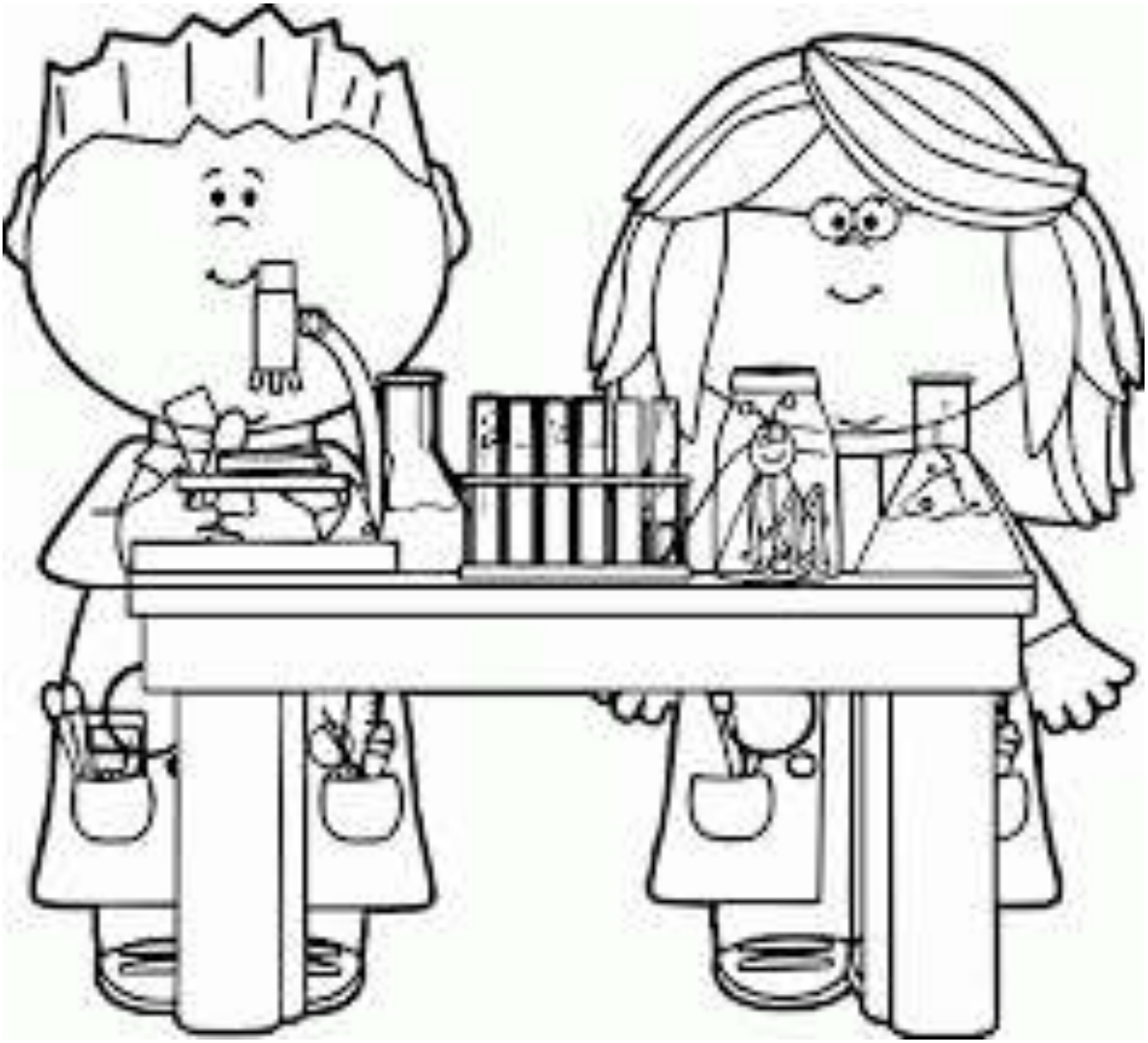
1.What pH is stomach acid?

_____

2.What pH is soap?

_____

4. Can you draw an example of an acid and an alkali from the scale?

Just for fun!

Can you colour the scientists working in the lab?