## Further chromatography Worksheet

Combined Science - Chemistry - Key Stage 4
C8 Chemical Analysis

Mr Robbins

## Periodic Table of Elements



1. Why do we use a pencil to draw the line in chromatography?
2. What has to be added to the equipment to ensure ethanol does not evaporate?
3. What do we call the line made by the solvent when we take it out the beaker?
4. What is the formula for calculating the Rf value?
5. Calculate the $R f$ values of $A, B, C$.

6. So it does not smudge and ruin the chromatogram
7. A lid
8. Solvent line
9. Distance travelled by the spot $\div$ Distance travelled by the solvent
10. Calculate the Rf values of $A, B, C$.
$A=17 / 20=0.85$
$B=8 / 20=0.40$ (must be 2d.p.)
$C=11 / 20=0.55$


## Calculating Rf

1. Calculate the Rf for $A$


## Calculating Rf

2. Calculate the Rf for $B$


## Calculating Rf

3. Calculate the Rf for $C$

