# INTRODUCTION TO BEACHES

1	14	/ <b>山</b> /	<b>A T</b>	ΛD		RE.	4 ML	IES?
4.	v	T 17	<b>~</b> ,	$\neg$	_	ᄓᆫ	<b>コレ</b> に	にしょ

a)	Write	a c	definition	of	beaches,	including	what	they	look	like an	d what	they	are	made
of														







# LOCATION OF THE BAR PROJECT







# 2. WHO NEEDS BEACHES?

Look at the four photographs on the first page. Many uses of beaches are shown, and you can probably think of more. Try to group the uses under broad headings (e.g. TOURISM AND RECREATION) giving examples or additional information if possible:

a)	
b)	
c)	
e)	·····
3. WHERE ARE THE BEAC a) Using an atlas, draw and BAR PROJECT'. Also, add th	label the Channel Tunnel on the map 'LOCATION OF THE
Sussex, (3) Newhaven in Ea	1: (1) the southern edge of London, (2) Peacehaven in Eas st Sussex, (4) Seaford in East Sussex, (5) Camber Sands in In Kent, and (7) Herne Bay in Kent.
Within North France: (8) É	tretat, between Le Havre and Fécamp, <b>(9)</b> Baie de Somme.
	tretat, between Le Havre and Fécamp, <b>(9)</b> Baie de Somme. d a ruler calculate the distance in kilometres, across the
<b>b)</b> Using the map scale and Channel, between:	d a ruler calculate the distance in kilometres, across the
<b>b)</b> Using the map scale and Channel, between:  Dover and Calais	d a ruler calculate the distance in kilometres, across the
b) Using the map scale and Channel, between:  Dover and Calais  Newhaven and Dieppe  c) Using your atlas, calculated the control of the contr	d a ruler calculate the distance in kilometres, across the
b) Using the map scale and Channel, between:  Dover and Calais  Newhaven and Dieppe  c) Using your atlas, calculations on the map on the promise of the map.	d a ruler calculate the distance in kilometres, across thekmkm ate the distance between Dieppe and Paris. Indicate this
b) Using the map scale and Channel, between:  Dover and Calais  Newhaven and Dieppe  c) Using your atlas, calculations on the map on the prom the edge of the map.  d) How far is London from Page 1.	d a ruler calculate the distance in kilometres, across thekmkm ate the distance between Dieppe and Paris. Indicate this preceding page, using an arrow drawn in the correct direction





# 4. WHAT ARE THE BEACHES IN SOUTH EAST ENGLAND AND NORTH FRANCE MADE OF, AND WHAT IS THEIR GEOLOGICAL ORIGIN?



Most of the beaches in the BAR area, on the English side of the Channel are made of flint shingle, with only minor amounts of sand. On the French side there is much more sand.

The flints originated in the Chalk and have since been eroded out of the rock and turned into shingle.

#### HOW WAS THE FLINT SHINGLE FORMED?

a) Fill in the missing words from the list below:

Shingle beaches are made from	_ pebbles and cobbles. These look greyish						
or brownish on the outside and shiny black or dark grey inside, if broken. Flint is a form							
of, which developed in the	when it was deposited some						
70 to 100 million years ago, during the	period (the latter part of						
the Dinosaur era). The Chalk was formed from calcareous mud deposited on the bed of a							
huge tropical, which covered much of	North-West Scattered						
within the mud were the remains of minute organisms, rich in silica, which had lived in							
the sea, glass sponges, d and r_	This silica dissolved in						
the circulating waters within the mud and then was redeposited as silica in the form of							
n and layers while the mud was a	accumulating and hardening into chalk. The						
silica, now known as, developed especially in the bedding							
or discontinuities in the laying down of the beds of Chalk. Thus the nodules occur in							
bands in the bedding planes, as do sheets of flint, which can be seen exposed on the							
platform.							

# Missing words:

nodules, Chalk, planes, Cretaceous, sea, radiolaria, shore, flint, silica, diatoms, Europe, flint.





b) Use the photo below to help explain the origin of the flint. Draw label lines and add the labels below round the edge of the photo. You will need to show: (1) Bed of chalk, (layer of mud under sea which hardened into chalk), (2) Bedding plane (discontinuity or gap between chalk layers) and (3) Nodules of flint along the bedding planes in the Chalk.





