

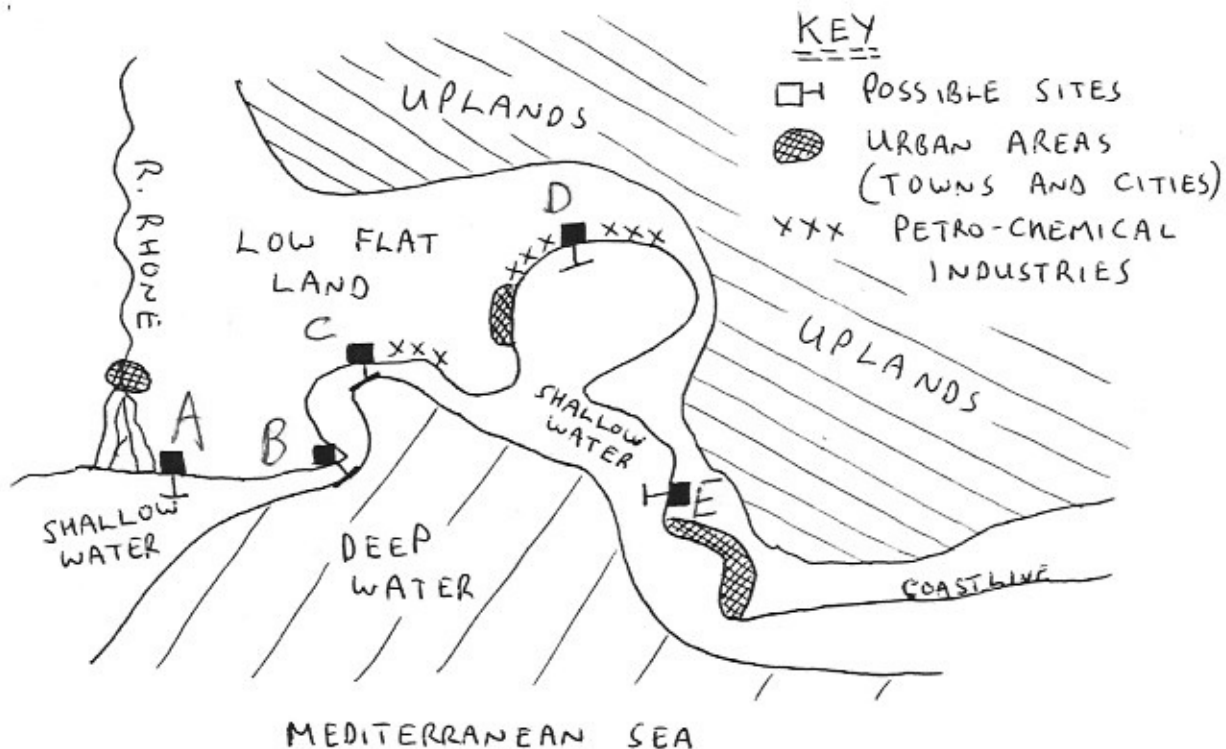
INDUSTRIAL DEVELOPMENT IN THE SOUTH OF FRANCE

Paris and the north of France has always been the most developed with most industry and most towns. In an attempt to reduce the importance of Paris and the north, the French government has been trying to attract more industry to the south.

You are in charge of a scheme to build a new oil refinery on the south coast of France. It is your job to decide on the best site for the new refinery. A preliminary survey has produced 5 possible sites which are shown on the map below.

SITING AN OIL REFINERY

- A. i. Study the map showing the possible sites for and oil refinery in the south of France.
ii. Copy the map



- B. i. Study the FACTORS AFFECTING THE LOCATION OF AN OIL REFINERY.
ii. Copy factors 1 to 5.

C. i. On a copy of the scoring table, score each site on a scale of 10 (excellent) down to 1 (very poor) for each factor. Your best site will have the highest score.

- ii. Why do you think your chosen site is best? Write a paragraph on this.

FACTORS AFFECTING THE LOCATION OF AN OIL REFINERY

1. DEEP WATER

Crude oil is **imported** from abroad using large vessels called **supertankers** or **V.L.C.C.'s** (very large Crude Carriers). These vessels may be up to 250,000 tonnes in size and need **deep water** near to the coastline if the oil is to be landed at the refinery. Therefore a site will be best if the deep water comes close to the shore.

2. SHELTER

An exposed coastal site where **waves and winds are strong and stormy** is not a good place for an oil refinery. Under these conditions off-loading the oil is very dangerous and leaks and explosions are possible. A **sheltered site in a bay or in an estuary** will be best as it will give some protection form strong winds and storm waves.

3. FLAT LAND

An oil refinery needs large areas of **cheap flat land**. This land is needed for the massive **oil refinery complex** itself and for the large areas of **oil storage tanks called a tank farm**. A site enclosed by high land will not be a good site, and one backed by large areas of low flat land will be best.

4. INDUSTRY

A refinery is best placed near the other **Petro-chemical industries** which will use the refined products made by the refinery. This will **cut down on transport costs** as the products are moved quickly and easily to the industries by **road tankers, rail tankers or by pipeline**.

5. TOWNS AND CITIES

A good site will need to be well **away from urban areas** (towns and cities) since leaks and **fires or explosions** are possible. A site too near a town or city will put the population **in danger**, will disrupt their lives with **noise and air pollution** and will be discouraged by the government. The refinery will also **pollute the nearby beaches**.

SCORING TABLE

SITE	Deep water	Shelter	Flat land	Industry	Towns	TOTAL
A						
B						
C						
D						
E						