

Tutorial 1: link words

Activity one

Self evaluation – entry test

■ Choose the correct answer.

- | | | |
|---|--------------------------|--------------------------|
| 1. The device enables temperatures to be monitored, improving the safety margin. | ▶ a. thereby | c. namely |
| 2. A new technique, the infra-red camera, means that dust surrounding new stars can be penetrated. | ▶ b. nevertheless | d. e.g. |
| 3. Superconducting, when materials lose all resistance, will boost computer performances. | ▶ a. whereas | c. besides |
| 4. Programmable electronic systems are more reliable. , they can be used to handle radio-active material. | ▶ b. namely | d. for instance |
| 5. Computers can process data extremely fast. this, they have several serious drawbacks. | ▶ a. thus | c. besides |
| 6. The new engine is far more efficient. more work is required to reduce noise levels. | ▶ b. obviously | d. that is to say |
| 7. The presence of high concentrations of elements that are rarely found on Earth, iridium, suggests there was a meteorite impact at that spot. | ▶ a. whereas | c. moreover |
| 8. The data is stored on hard disk, it is easily accessible. | ▶ b. such as | d. in other words |
| 9. Applicants for the job should speak at least one other European language French. | ▶ a. in spite of | c. however |
| 10. , in the initial stages there were minor problems to be overcome, but from then on, the prototypes were perfectly reliable. | ▶ b. whereas | d. moreover |
| | ▶ a. nevertheless | c. i.e. |
| | ▶ b. whereas | d. besides |
| | ▶ a. on the whole | c. such as |
| | ▶ b. moreover | d. that is to say |
| | ▶ a. actually | c. e.g. |
| | ▶ b. whereas | d. hence |
| | ▶ a. obviously | c. moreover |
| | ▶ b. besides | d. actually |
| | ▶ a. besides | c. namely |
| | ▶ b. as a rule | d. despite |

Activity two:**A. Link the two halves of the sentences together.**

- | | |
|---|--|
| <ol style="list-style-type: none"> 1. It must be six o'clock. No, actually ... 2. If you heat copper to 400°C, it becomes viscous, in other words ... 3. The current was too high, as a result ... 4. Mercury is a metal, nevertheless ... 5. Amphetamines are dangerous, therefore ... 6. As a rule, water freezes at 0°C, but ... 7. Glass is fragile, thus ... 8. The motor was out of date, besides ... 9. Hydrocarbons are relatively light, in fact ... 10. Water usually boils at 100°C, however ... | <ol style="list-style-type: none"> a. it begins to melt. b. they float on water. c. it should be handled with care. d. they should be kept away from children. e. it does not do so if you add salt. f. the wires began to overheat. g. it consumed too much fuel. h. it is a fluid. i. at higher altitudes, the temperature is lower. j. it is five past six. |
|---|--|

B. Use the following words to join the phrases: DESPITE THE FACT • NAMELY • OBVIOUSLY • ACTUALLY • YET • HENCE • THEREBY.

1. Symptoms such as pain, fever, and vomiting are not diseases. they are defence mechanisms.
2. "Psychotic" means that a patient has lost touch with reality, "neurotic" refers to a less serious state.
3. People have always recognised the waste, brutality, and inhumanity of war, it goes on.
4. The mesosphere is important that it contains only about 0.1 per cent of the total mass of the atmosphere.
5. As a rule, aquatic reptiles use the same means of propulsion as fish and whales, they use powerful beats of the tail.
6. The heat increases, the entropy increases.
7. Cells and antibodies may co-operate, destroying invading bacteria.
8. For a person who weighs less, the concentration of alcohol will be proportionally higher.

C. LINK WORDS – Study the example below of a chain of linked sentences.**Example:**

More women are getting executive jobs in high finance.

1. Clearly, this means that they are under greater stress.

↳ **2.** The number of women drinking alcohol is **therefore** rising.

↳ **3. In addition**, many of the women suffer from depression.

■ Write 2 similar chains, using different link words, each time based on **one** of following the sentences.

1. Gold is a very expensive metal.
2. Death rates from infectious diseases will be reduced by 20% over the next 30 years.
3. The first atomic bomb was dropped in 1945.
4. Oil reserves will run out by the middle of the next century.
5. Girls are now getting better results than boys at school.
6. There is more and more congestion in the town centre.

- in addition, furthermore, besides
- however, nevertheless, yet, in spite of, on the other hand
- but actually, but in reality, in fact
- obviously, clearly, doubtless
- in general, on the whole, as a rule
- in other words, that is to say, namely
- consequently, therefore, thus

1.
 ↳ 2.
 ↳ 3.

1.
 ↳ 2.
 ↳ 3.

Activity Three:

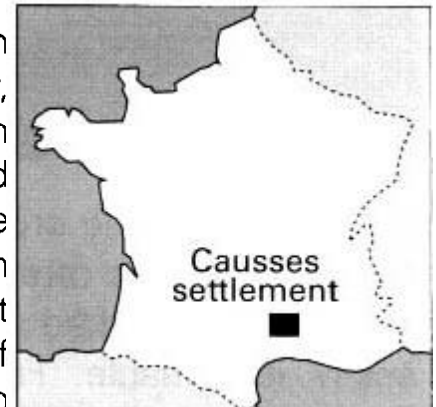
Introducing the Griffon vulture into the Massif Central

Griffon Vultures disappeared from the southern Massif Central around 1945. In 1981, a reintroduction project began and ten years later, the new colony consisted of about a hundred individuals. This report describes the different stages of the process.

■ Insert the words into the text: *WHEREAS* ▪ *NAMELY* ▪ *FURTHERMORE* ▪ *SINCE* ▪ *AS A RESULT* ▪ *AS* ▪ *HOWEVER* (1-7)
NATURALLY ▪ *ALTHOUGH* ▪ *THEREFORE* ▪ *SUCH AS* ▪ *BESIDES* ▪ *THEREBY* ▪ *IN FACT* ▪ *HENCE* (8-15)

INTRODUCTION

Griffon vultures were gradually eliminated from south central France during the first part of the 20th century, victims of direct destruction by gun and poison (1) the local population wrongly considered them as pests. , by 1945, they were totally extinct. , in 1968 a reintroduction project was started. The locality chosen was the last known breeding site in the Causses region in the Massif Central. This is an excellent habitat for vultures for two



major reasons, farming is still focussed on sheep breeding and it is also an area of high cliffs and canyons. This study analyses the implementation of the project and the precautions that were taken to ensure a successful settlement.

PROJECT DESIGN

The project was carried out in three successive stages:

- 1968-1981: preparation of public opinion, education of hunters, obtaining strychnine prohibition and gathering 50 captive Griffon vultures;
- 1981-1986: release phase;
- post 1986: free evolution of the population.

VULTURES USED

Between 1970 and 1987, 86 Griffon vultures were obtained from different origins:

- 47 came from the wild or rehabilitation centres (31 from Spain and 16 from France);
- 24 were given or exchanged by zoos;
- 6 were seized from dealers (unknown origin);
- 9 were born in the project aviary¹.



More than one third of these vultures had lived in captivity for a considerable length of time, (5-10 years) , of those held in captivity for shorter periods, some were already accustomed to man.

RELEASE CONDITIONS

During the Causses project, only adult pairs were released, in previous raptor introduction programmes immature birds had often been used. This policy was

1 Aviary: a large cage for keeping or breeding birds.



adopted to maximise the chances of settlement and to facilitate the fixing of breeding groups. The first vultures (1981-1982) were all paired adults, the majority of which had been bred in an aviary. They were released in December, at the time of display and sexual pairing.

MONITORING

All individuals were monitored daily. In the initial stages, released vultures were marked with leg bands displaying a plastic letter,

but this technique proved to be unsatisfactory identification at distances over 300 m was often difficult, if not impossible. Today, (8) , young vultures are marked in the nest with a system of coloured rings which are more easily identifiable. From 1981-1983, all released birds wore radio transmitters (weight 17 gm) fixed to the two central tail feathers². Radio-tracking made it possible to recapture vultures who had landed during their first flights in anomalous sites dense vegetation or steep slopes. After 1983, however, radio tracking was abandoned, for the maximal theoretical range of the transmitters was 20 km, transmission distances proved to be less than 1 km and, , the life span of the transmitters never exceeded 6 months.

ADAPTATION OF RELEASED VULTURES

..... , during the first few weeks after release, birds presented poor flight abilities. They had considerable difficulty landing and they did not make proper use of the thermal currents rising from the cliffs, wasting a great deal of energy beating their wings to little effect. This high energy cost, combined with the fact they had difficulty feeding, resulted in a certain number of losses; one vulture died after 40 days without food. A further problem was that the birds

	Released birds	Wild born birds	Dead birds	Recaptured birds
1980	1*	–	–	–
1981	10	–	–	–
1982	8	1	3	2
1983	17	1	1	1
1984	11	1	–	2
1985	12**	5	4	–
1986	2	6	–	–
1987	–	12	1	1
1988	–	10	3	–
1989	–	9	2	1
1990	–	15	5	1
1991	–	17	1	1
total	61	77	20	9

* This bird escaped from the aviary but returned 3 years later. ** Non-marked birds escaped.

2 Feather: natural coating, plumage covering birds.

scattered and adults of the same pair sometimes found themselves several kilometres apart.

From 1983 onwards, 2-4 year old birds were released. These birds had been in captivity for less than one year and, they managed to fly much more quickly. Of the 59 birds released, 10 were found dead and 4 were removed from the wild. The main cause of mortality was electrocution.

MIGRATION

There is a tendency among juvenile birds for seasonal migrations in search of areas with high food availability. One 1-year-old bird disappeared in 1985 to return in 1988, while another was found poisoned in North Senegal in 1991. Since 1983, the colony has been enlarged by 9 immigrants coming from Spain and the Pyrenees.

Activity Four

THE WORD WEB - PREFIXES

■ *As we have already seen, the lexis can be extended by the use of prefixes and suffixes. Insert the following **negative** prefixes into the sentences: anti- • dis- • im- • in- • ir- • un-.*

1. In fact, Tycho Brahe did not accept the Copernican system. He thought that the Earth was mobile.
2. The coriolis force, which explains the direction of wind patterns, is clockwise in the northern hemisphere and clockwise in the southern hemisphere.
3. Many people who are colour blind are aware of it.
4. Crime statistics are frequently accurate as so many crimes are never reported.
5. The typical abilities of Alzheimer's disease include loss of memory, anxiety and social withdrawal.
6. There is no way of proving it, but it is highly probable that the sun will not rise tomorrow.
7. Before changing any of the components, all electrical equipment should be connected.
8. The development of electronic communication is making distance relevant.
9. According to Greek legend, Odysseus attached himself to his ship because the songs of the Sirens were resistible.
10. Glycol is anfreeze, that is to say, it lowers the freezing point.

Activity Five :

Definitions - consists of

Among different ways of explaining a word, It is possible to enumerate the different parts of which it is made: "*X consists of Y and Z.*"

Example: a bicycle

"Basically, a bicycle consists of a frame and two wheels."

-Define two of these words: **the solar system • a zoo • a telescope • water**

"According to"

➤ Which, if any, of the following sentences are correct?

1-According to Peter, it will rain tomorrow.

2-According to the first law of thermodynamics, heat and work are inter-convertible.

3-According to me, public transport is underdeveloped, the prime minister is going to resign **according to** the BBC.

➤ give personal opinions about the following:

global warming • third world poverty • the education system • vivisection