

## RESEARCH in the AORAKI/MT COOK VISITOR CENTRE

### **A real blast**

Refer to the diagram.

What happens when Westerlies hit the Southern Alps?

Sketch and annotate



Make notes on the weather signs/ extremes

### **Valley Freezer**      make notes

Glaciers are Rivers...

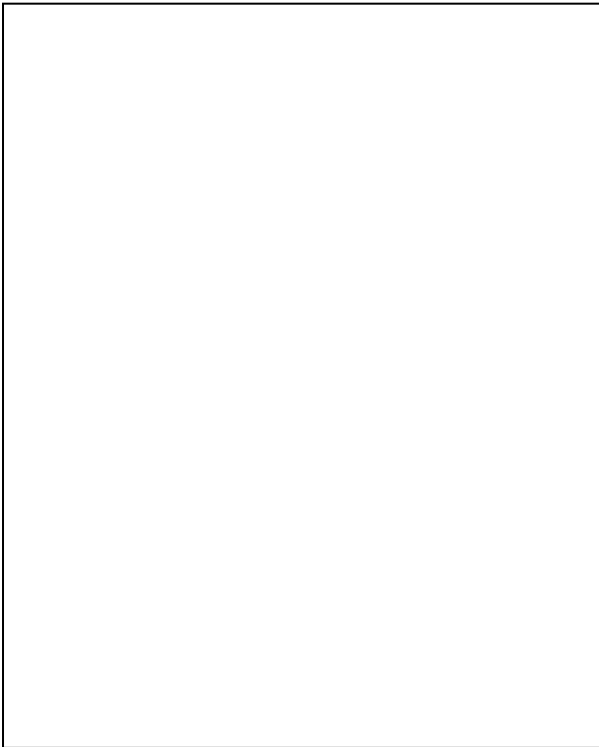
Today the Tasman Glacier is....

When did the Glaciers form?

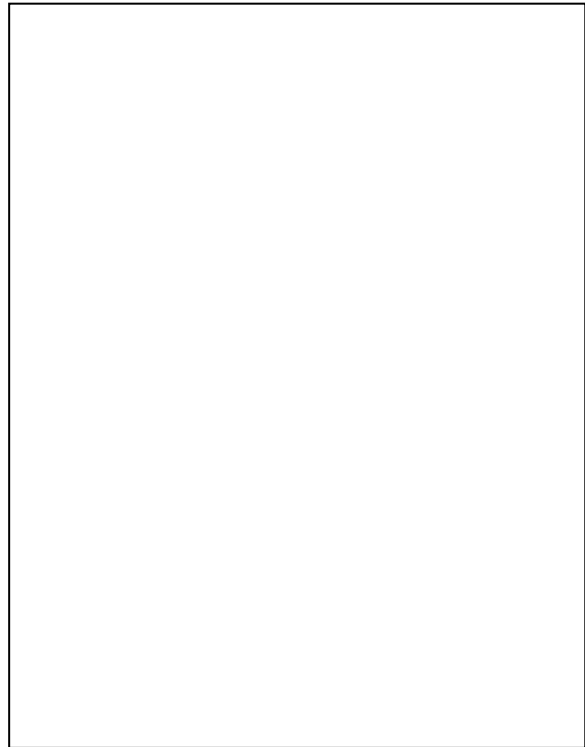
## **The Glaciers & Global warming**

Make notes on the changes that have occurred since 1862

Sketch the changes to Stocking Glacier

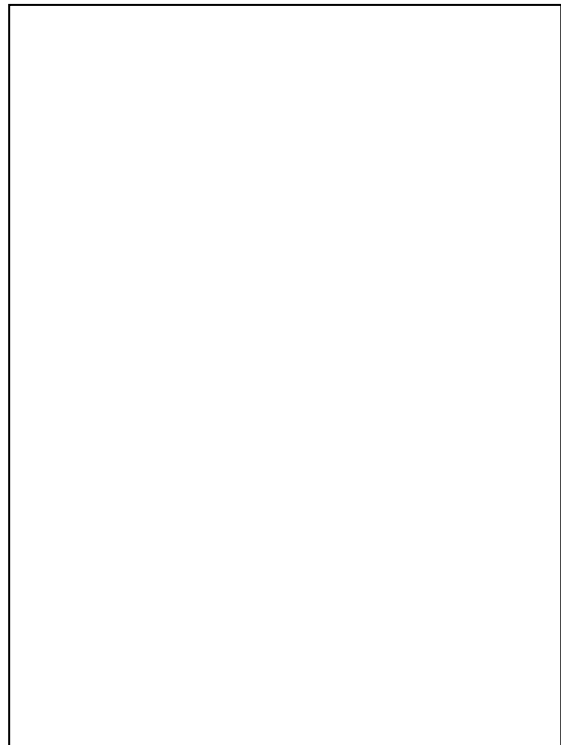


1897



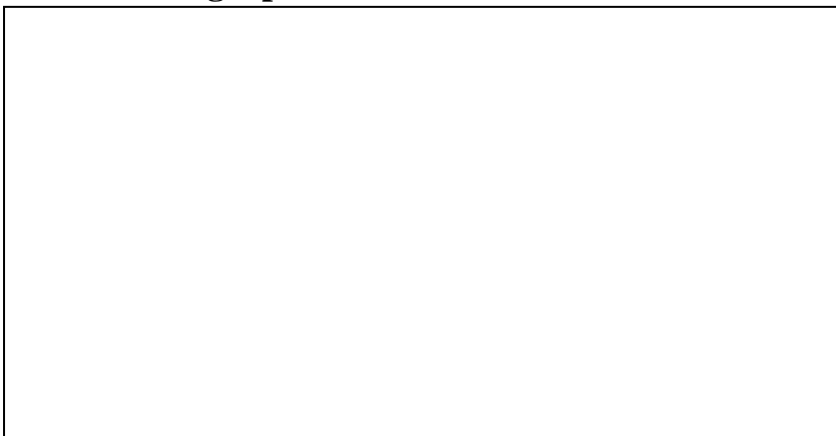
2007

Sketch/ explain the mass balance diagram



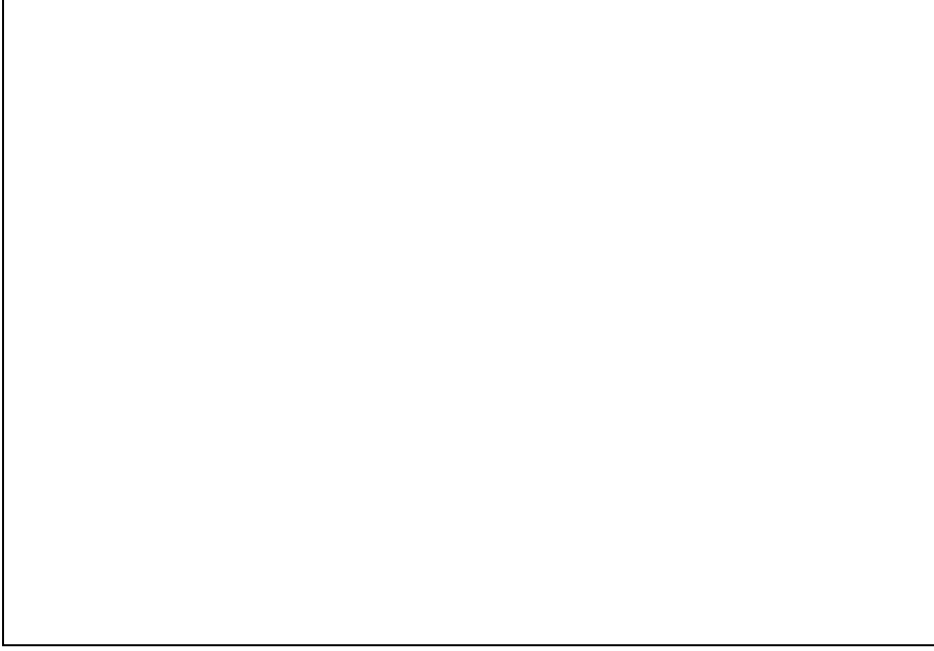
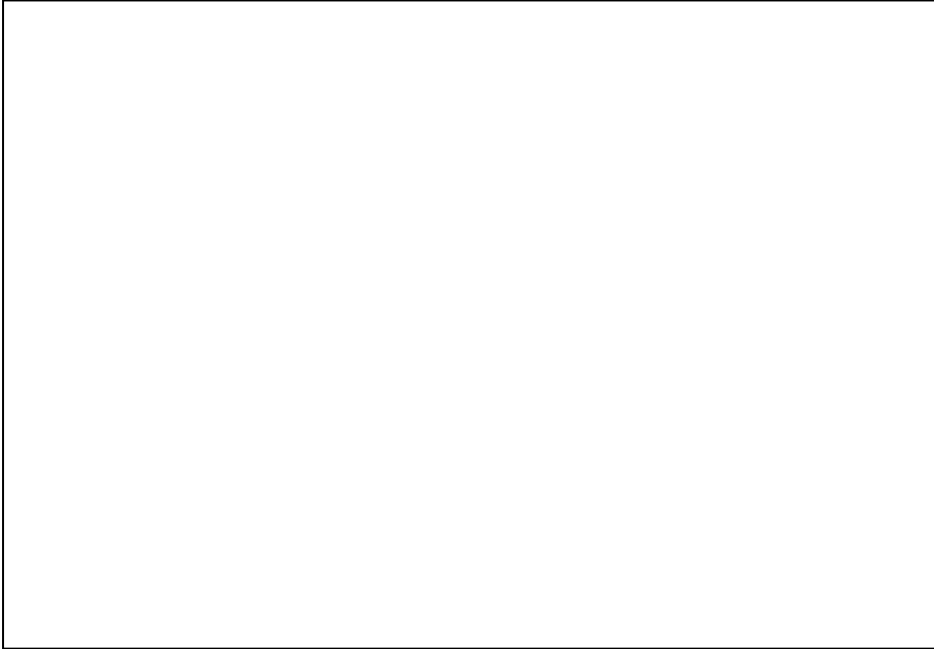
**Young & Old**

Make notes on the tectonic movement

**Modern building Boom** Sketch the Tectonic Plate movement**Cracking Up :** Sketch the fault lines

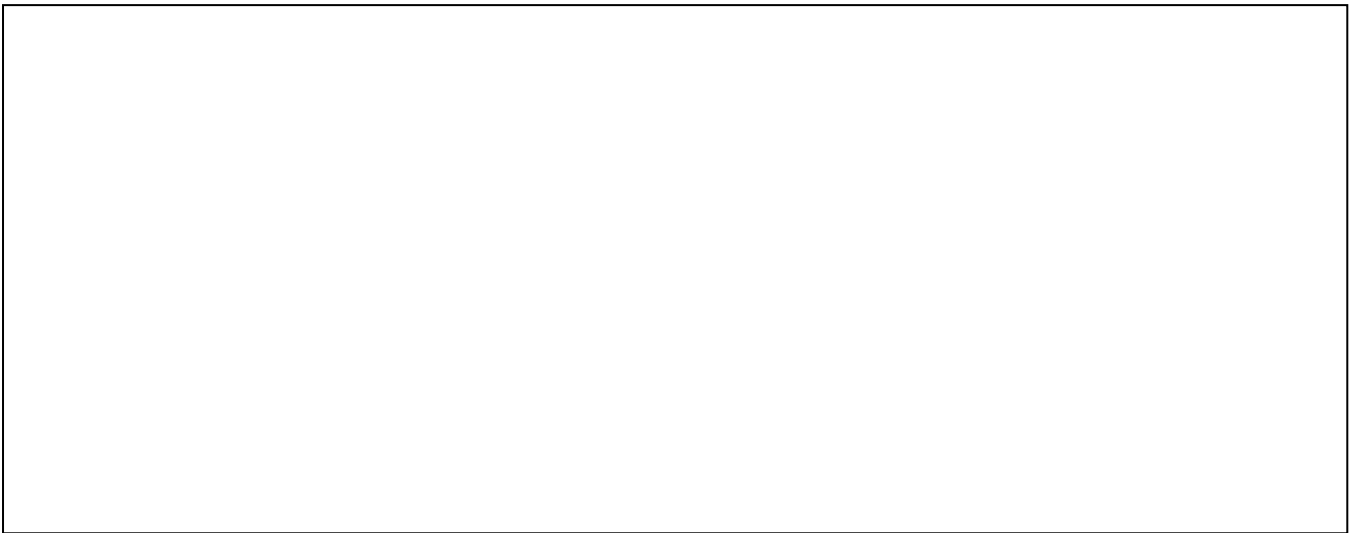
**What are the most common types of rocks in the park?**  
List and photograph examples of them

**Shaping the Landscape:** Sketch & label the 3 stages of glaciation



**All Falling Down**

Make notes on the three types of avalanches explaining where and why they occur.

**The Working Glacier :** Sketch the cross section of the Tasman Glacier

Make notes on:

**Making Ice**

**Going with the flow**

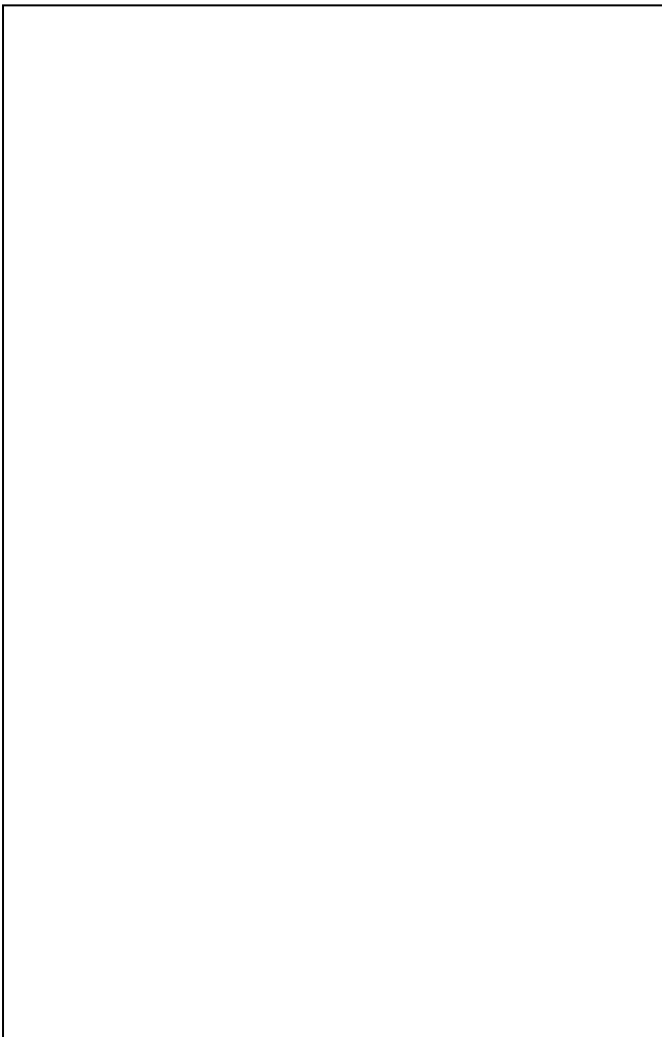
**Slot machine**

**Excavation & Cartage**

**Wasting Away**

**Protection Forever:**

Make notes on the steps towards Protection of the Park



**Observe the map sketched by W G Wright in 1885**

Sketch the details showing the human impacts of this time.

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### **Activities in Aoraki Mt Cook National Park**

List 6 concessionaires who operate Tourism adventures within the Aoraki/Mt Cook National Park.

### **Race to be first**

Create a timeline of the climbing history in the Race to be a high achiever in the Mt Cook Range

### **Tangata Whenua**

Outline the migration of the Tangata Whenua to the High Country.

Make notes on : Food, Shelter, Plants

## **A large land uplifted high, The scientist, Sheepmen and the Governor**

Make notes on the arrival of Europeans to this area and their impacts.

Thomas Brunner

Charles Heaphy

Capt John Stokes

John Turnbull Thompson

Julius Haast

Nicolo Radove

Governor George Bowen

G J Roberts

J N Brodrick

### **From Tent to Village**

Make notes on the settlement of this area

1875

1884

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### **From waggon to wings**

Make notes on changes to travel over time and the impacts these have made