

Answer key: **Mount Rainier and Mt. Fuji comparison sheet**

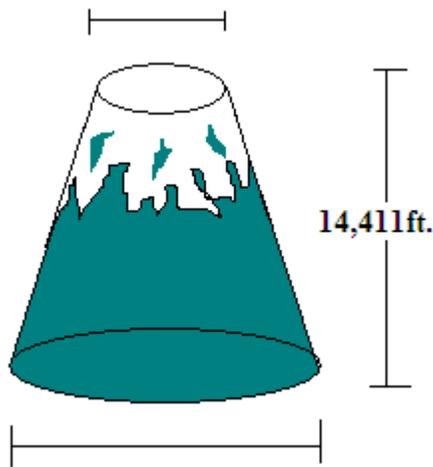
**Mount Rainier
(U.S.A.)**



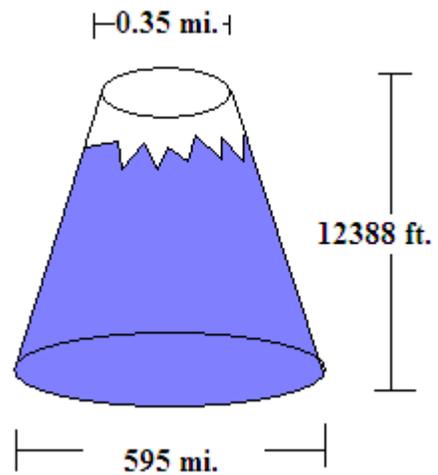
**Fuji-san (Mt. Fuji)
(Japan)**



1. Size & general information



1. Elevation: 14,410ft.
2. Age: 500000 years old
3. Glaciers: 25
4. Etymology (meaning) of name:
5. Others:



1. Elevation: 12,388ft.
2. Age: 100,000 years old
3. Glaciers: 0
4. Etymology (meaning): never die, fire, eruption
5. Others:
 - Weight : est. 1,000 million tons
 - Wind speed: 11.4m average
 - Temperature: 20F. average

2. Visitors

1. Visitors' population (annual):

Persons :(2,181,396)

Climbers: (9,670)

1. Visitors' population (annual):

Persons :(2,500,000)

Climbers: (300,000)

2. Climbing

Trail name:

(Disappointment cleaver-Ingraham Glacier)

From Camp Muir to the Summit

-Difficulty: (Advanced)

-Season: all season

-Permission: **\$15 (entrance fee \$20 separately)**

**Climbers going higher than 10,000 feet are required to register and obtain permits in advance. -*

Duration(roundtrip)

From (Camp Muir)-summit

(1.5Mile)

(4-6 hours)

- Elevation gain (3,223ft,)

-Needs skills:

(Camping, ice climbing, rope belaying)

-Equipment:

*Full-frame crampons, lug-soled boots, wool clothing, Down clothing, waterproof clothing, hard hat, rope (7/16inch,*120feet) mittens and gloves, ensolite pad, flashlight, map and compass, rescue pulleys, wands, ice axe, sunglasses/goggles, first aid kit, sun block, food (includes extra food for two days), carabiners(2), sleeping bag (extremely cold), prusik slings (3) or ascenders (2), head lamp, pitons, ice screws, stove and fuel, tent (expedition), double boots, wands (200minimum), two-way radio, avalanche cords/beasons, additional ropes, snowshoes/skis, snow shovel, altimeter, avalanche probes*

2. Climbing

Trail name:

(Kawaguchi-Lake trail)

From five steps to the summit

- Difficulty: (intermediate)

- Season: July1-August 27

- Permission: N/A

- Duration(roundtrip):

(9.5 mile)

(6~16 hours)

- Elevation gain: (5,360ft.)

- Needs skills:

(Basic hiking skill)

- Equipment:

water 500ml~1000ml, hiking shoes, food (lunch, dinner, breakfast), trail food, clothes (long shirts, long pants, gloves, winter jacket,) rain gear, plastic bags, money (100yen for each bathroom), cap, sunglasses, sunscreen, mask (protecting from sand storm), trekking polls, head lamp

Notes:

** Night hike is very popular with climbers. They reach the summit early in the morning and see sunrise to pray for their fortune.*



A line of head lamps go to the top of the mountain.

3.Culture

Why American people love Mount Rainier? Please explain any cultural background.

Notes:

Why Japanese people love Mt.Fuji? Please explain any cultural background.

Notes:

1. Sacredness:

1) Religious austerities

Climbing summit = Visiting heaven
pray happiness to watch sunrise



2) Fortune telling

Japanese believe that it is an auspicious sign if they see dream of Mt. Fuji at the first day of the year.

2. Auspicious

Japanese love to name “Fuji” to their products, companies and children.

e.g. : Fuji film, Fuji(Apple),
Fuji heavy industrial(Subaru),
Fujiko/ Fujio (Person’s Name)

3. Symbol of patriotism

Japanese recognize patriotism when they see Mt. Fuji.

4. Beauty

Many people are fascinated by incomparable beauty of the shape of Mt.Fuji.

5. Leisure:

Many people enjoy Mt. Fuji National Park for different purposes such as, expedition, sightseeing, and hot springs.

4. Books & Arts

Notes:

Notes:

-Famous Japanese wood block Print:

36views of Mt. Fuji,

Katsushika. Hokusai (1800)



5. History

(1870) **First climber reached to the summit.**

Name: Hazard Stevens, Philomen B. Van Trump

(700) **First climber reached to the summit**

Name: anonymous monk

(1707) **Last eruption**

(1890) **First woman climbed the summit**

Name: Fay fuller

Age: 21

What did she wear? Woman's clothes

Notes:

(1832) **First woman climbed the summit**

Name: Tatsu

Age: 24

What did she wear? Men's clothes

- *Since Japanese government had closed women to climb mountains, Tatsu worn mans' wear to pretend man when she climbed Mt.Fuji*

(1894) **Last eruption**

(1899) **National Park established**

(1935) **National Park established**

(1935) Friendship between U.S.A and Japanese National Park; they exchanged rock from mountain.

The rocks of
Mt. Rainier



This is not the exchange stone



* The left picture took at Paradise, Mt.Rainier National Park.

The exchange rock from
Mt. Fuji



(2003) **Sister mountain agreement**

6.Types of volcano

Where are these mountains located?

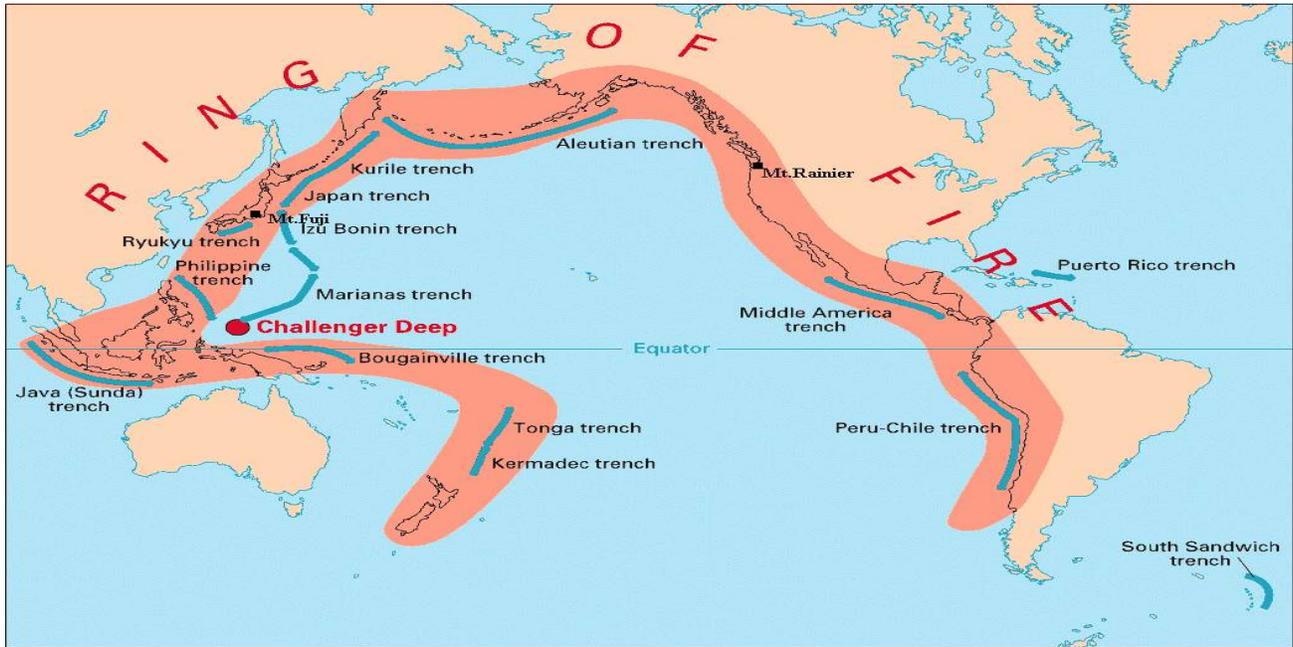


Photo by: pubs.usgs.gov/publications/text/fire.html

(Strato)-volcano

- (Composite) cone, high (silica)



(Strato)-volcano

- (Composite) cone, high (silica)



7. Lava

(Andesite)

- Lava flows (short) distances:

- Same types of Lava in ()

(Basalt)

- Lava flows (long) distances: *e.g.(22)miles*



- Same types of Lava in (Hawaii)



-Making "Lava (tree& cave)"



8. Ecosystem and nature

- Birds : (126) species



- Mammals : (54) species



- Plants: (787) species



- Lakes: (382)

- Cap Cloud

- Birds : (140) species

*40 species are migratory birds



Spotted nutcracker

- Mammals : (40) species



Japan squirrel

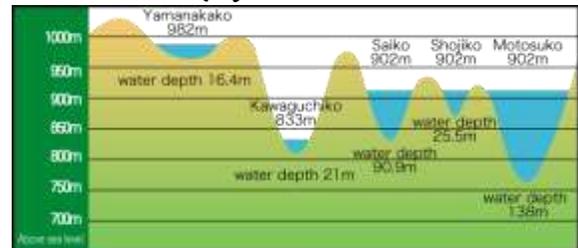
- Plants : (1600) species



マメザクラ (別名フジザクラ)

Fuji-sakura

- Lakes : (5)



*The mountain produces (9 billion ton) of water a year.

* There are eight ponds in this area.

- Cap Cloud



*It is going to be rain when we see this cloud.

9. Current issue

<ul style="list-style-type: none"> • <u>Natural hazard</u> 	<ul style="list-style-type: none"> • <u>Natural hazard</u> Land-slide, <i>The area of “Osawa” has serious problem which the cliff crumbles 440 cubic meters every day.</i>  <p style="text-align: right; font-size: small;"><i>Photo by Kazuichi Matsumoto</i></p>
	<p>Earthquake <i>Since 2000, the several earthquakes have been recorded.</i></p>
	<p>Eruption <i>There are more than a hundred old craters exist on this mountain: since Mt. Fuji is the active volcano, the eruption is still considered by people.</i></p>
<ul style="list-style-type: none"> • <u>Environmental concern</u> 	<ul style="list-style-type: none"> • <u>Environmental concern</u> What is “White river”? <i>It is outflow of used toilet papers from bathrooms. Because of too many visitors, the park could not handle it.</i> 
	<p>Illegal dumping <i>Too Much rubbish can find at “Jukai (tree-sea)”area which is at the foot of the mountain. Since the trees are very high and deep, many vicious conducts are hard to find. On the hiking trail, small numbers of people still have bad manner, most of them have good attitude by the effort of volunteer guides.</i></p>
	<p>Erosion <i>Many parts of the trails are trampled by too many visitors.</i></p>

**Do you have any suggestion solving the problems to both mountains?*

10. Findings

Similarity

1.

2.

3.

Difference

1.

2.

3.

Conclusion

11. Mountain Song

Mount Rainier

By Robert Elmer Smith

Rainier, so fair, the favor'd one,
To first be kist by the morning sun,
Majestic silence, great and grand,
A wondrous charm, in a wondrous land.

Fuji-san (Mt. Fuji) 1910

Atama o kumo no ue ni dashi
(head is up above the clouds)
Shi-hou no yama o mioroshi te
(looking down on all of the mountains)
Kaminari sama o shi tani kiku
(hearing thunder under the knee)
Fuji wa nippon ichi no yama
(Mt. Fuji is the top of the Japanese mountain)



Let's make sister mountain song here!



Very shy, sometimes hide in fog

Love to wear white cape

People said they are very beautiful

Mt. Rainier and Mt. Fuji, they are beautiful sisters